



LIBRARY
OF THE
UNIVERSITY
OF ILLINOIS

551.05
LNNJ
1962-63



Digitized by the Internet Archive
in 2013

http://archive.org/details/climatologicalda6768unit_2

NJ

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

187

CLIMATOLOGICAL DATA

NEW JERSEY

JANUARY 1962

Volume 67 No. 1



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 65° on the 15th at Toms River

Lowest Temperature: -6° on the 31st at High Point Park

Greatest Total Precipitation: 4.83 inches at Atlantic City

Least Total Precipitation: 1.73 inches at Canton

Greatest One-Day Precipitation: 2.98 inches on the 6th at Atlantic City

Greatest Reported Total Snowfall: 8.0 inches at Belleplain Sta Forest

Greatest Reported Depth of Snow on Ground: 11 inches on the 1st at Flemington 1 NE

NOTE: Beginning with this issue departures from normal are based on normals calculated for the period 1931-1960.

SPECIAL WEATHER SUMMARY

Snowfall, in most areas of the State, was the least for January since 1950, although about 7 inches of snow fell in the extreme southeast portion of the State on January 1st and 2nd. Rainfall on the 6th-7th was quite uniform over the State, and in Trenton it was the greatest 24-hour amount for January since 1936. Some wind damage occurred on the 15th when a violent,

rapidly moving storm crossed State, with gusts to 50 mph reported in the Trenton area.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
c/o General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
JANUARY 1962

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max. Min.								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
											90° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																								
BELVIDERE	37.0	17.2	27.1	- 2.8	57	15	3	12	1166	0	10	30	0	2.85	- .78	1.01	6	.7	3	3+	6	3	1	
BOONTON 2 SE	36.7	18.0	27.4	- 1.5	55	16	5	12	1162	0	10	29	0	2.79	- .45	1.66	7				4	2	1	
CANOE BROOK	38.3	16.3	27.3	- 1.7	56	16	4	12	1160	0	7	30	0	2.60	- 1.06	1.62	7	.7			4	1	1	
CHARLOTTEBURG	35.9	15.1	25.5	- 3.1	54	16	2	31	1215	0	12	31	0	3.19	- .48	1.66	7	.8	3	4+	7	2	1	
ELIZABETH	40.2	20.2	30.2	- 2.6	56	15	6	31	1070	0	7	28	0	2.93	- 1.04	1.06	6	2.0	3	2+	5	2	2	
ESSEX FELS SERV BLDG	37.2	17.5	27.4		55	16	5	31+	1160	0	9	29	0	2.95		1.40	7				5	2	1	
FLEMINGTON 1 NE	39.8	18.3	29.1	- 2.4	58	15	4	31	1103	0	6	28	0	2.81	- .51	1.20	6	1.5	11	1	4	2	1	
HIGH POINT PARK	33.4	11.4	22.4		54	5	- 6	31	1314	0	17	31	3	2.56		1.22	7	1.8	8	3+	5	2	1	
JERSEY CITY	36.5	25.0	30.8	- 1.7	50	15+	9	31	1053	0	12	25	0	2.75	- .62	1.65	6	T			5	1	1	
LAMBERTVILLE	39.6	20.5	30.1	- 1.6	57	15	8	12	1074	0	8	27	0	2.43	- .91	1.31	6				3	2	1	
LAYTON 3 NW	36.1	14.6	25.4	- 1.5	53	15	- 3	12	1220	0	10	29	2	3.23	- .36	.93	7				5	3	0	
LITTLE FALLS	39.9	20.1	30.0	- 1.1	57	16	7	31	1079	0	5	29	0	2.69	- .96	1.44	7	.7	4	4+	4	2	1	
MORRIS PLAINS	37.7	17.0	27.4		55	16	4	12	1159	0	7	29	0	3.12	-	1.86	7	.5	0		4	2	1	
NEWARK WB AIRPORT	38.2	23.4	30.8	- 1.5	56	15	9	31	1052	0	10	27	0	2.56	- .77	1.56	6	1.0	2	1	4	1	1	
NEWTON	34.9	14.6	24.8	- 2.7	55	16	2	12	1241	0	12	31	0	2.76	- .28	1.42	7	T	5	1	4	2	1	
PATERSON	39.4	22.2	30.8	- .8	55	16	9	31	1052	0	7	29	0	2.96	- .64	.97	7	.1			4	3	0	
PHILLIPSBURG	39.7	19.5	29.6	- .9	59	15	2	31	1092	0	5	29	0	2.61	- 1.07	1.40	6	T			7	1	1	
PLAINFIELD	39.7	22.2	31.0	- .9	57	15	8	31	1046	0	7	27	0	2.65	- .96	1.90	6	.7	3	1	3	1	1	
SOMERVILLE	37.9	19.4	28.7	- 2.6	58	15	6	12	1118	0	10	29	0	2.78	- .49	1.21	6	1.2			4	2	1	
SUSSEX	36.3	12.6	24.5	- 3.2	56	16	- 5	5+	1248	0	12	31	3	2.65	- .72	1.00	7				6	2	1	
DIVISION				28.0	- 2.2									2.79	- .68			.8						
SOUTHERN																								
ATLANTIC CITY WB AP	42.3	24.1	33.2	- 1.6	58	6	7	11	977	0	6	24	0	4.21	- .65	2.47	6	7.1	6	2	6	2	1	
AUDUBON	41.2	24.5	32.9		60	15+	10	11	991	0	6	27	0	2.52		1.68	6	T	T	24+	5	1	1	
BELLEPLAIN STA FOREST	44.0	22.1	33.1		58	6	5	3	982	0	3	24	0	3.98	- .51			8.0	7	2				
BURLINGTON	42.4	24.5	33.5	- .7	59	15+	11	31+	971	0	5	25	0											
CHATSWORTH	42.8	22.1	32.5		60	7	6	3	1001	0	5	25	0	2.95		1.25	7				6	2	2	
CLAYTON	39.8	22.9M	31.4M		59	6	5	12	1032	0	- 7	27	0	1.94		.75	7	.5	T	30+	4	2	0	
FREEHOLD	40.7	23.2	32.0	- .7	59	7	6	31	1016	0	6	28	0	2.70	- .88	1.00	6	T	T	30	5	3	1	
HAMMONTON 2 NNE	41.3	21.5	31.4	- 2.8	61	7	8	11	1038	0	6	29	0	3.11	- .46	1.50	7				5	2	1	
HIGHTSTOWN 1 N	40.1	22.7	31.4	- 1.0	61	15	8	31	1034	0	7	26	0	2.74	- .48	1.08	6	.1	3	3+	4	2	2	
INDIAN MILLS 2 W	41.3	21.7	31.5	- 1.8	60	7	6	12	1029	0	7	26	0	2.51	- 1.11	1.21	6	.9	T	24+	4	1	1	
MILLVILLE	41.6	21.8	31.7		58	7	11	11	1026	0	5	27	0	2.89		1.88	6				4	1	1	
MILLVILLE FAA AIRPORT	41.3	22.6	32.0		58	7+	8	11+	1017	0	8	25	0	2.98		1.95	6	4.9	4	3+	4	1	1	
MOORESTOWN	40.0	22.6	31.3	- 1.7	60	15+	10	31+	1035	0	10	27	0	2.52	- .60	1.42	7	1.6	T	30+	3	1	1	
NEW BRUNSWICK EXP STA	40.4	20.9	30.7	- 1.6	59	15	7	31	1056	0	5	28	0	2.71	- .63	1.03	6	.5			4	2	1	
NEW MONMOUTH	41.6	23.8	32.7		58	7	8	31	992	0	6	25	0	2.87		.99	7	.5	2	3+	3	3	0	
PEMBERTON 3 E	42.0	22.3	32.2	- 1.7	59	15	7	31+	1009	0	5	25	0	2.17	- 1.13	.77	6	T	T	24	4	3	0	
SHILOH	42.4	24.4	33.4	- .9	60	15	8	11	971	0	4	24	0	2.43	- 1.05	.94	6				6	2	0	
TOMS RIVER	43.9	22.3	33.1		65	15	6	12	983	0	5	25	0	2.40		1.80	6	2.7			4	1	1	
TRENTON WB CITY	39.2	23.9	31.6	- 1.5	59	15	10	31	1031	0	10	27	0	2.49	- .61	1.66	6	.5	T	30+	4	1	1	
TUCKERTON	43.0	23.2	33.1		57	7	7	3	979	0	4	24	0	4.50		1.49	6	6.0			7	3	2	
WOODSTOWN	41.5M	23.3M	32.4M		60	6	10	11	1003	0	5	27	0	2.94		1.27	6	2.0	1	24+	6	3	1	
DIVISION				32.2	- 1.2									2.88	- .57			2.2						
COASTAL																								
ATLANTIC CITY	40.8	29.5	35.2	- .8	53	6	18	31+	919	0	6	22	0	4.83	- 1.08	2.98	6				5	2	1	
CAPE MAY 3 W	42.6	29.7	36.2		57	7+	15	11	886	0	3	18	0	3.45		1.30	7				6	2	2	
LONG BRANCH	40.3	24.2	32.3	- .7	59	6	9	31	1006	0	8	26	0	3.10	- .68	1.57	6	2.4	4	2	4	2	1	
DIVISION				34.6	.1									3.79	- .27			2.4						

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total			
ATLANTIC CITY WB AIRPORT	WNW	16	13.0	35++	WNW	23	73	74	56	68	7	5	4	1	0	1	18	43	6.6	
LONG BRANCH	W	14	12.2	44	NW	30	-	78	59&	56	3	8	3	1	1	0	16	49	5.4	
NEWARK WB AIRPORT	SW	14	10.8	32++	SW	15	86	67	54	60	5	7	3	0	1	0	16	-	6.4	
TRENTON WB CITY	NW	-	9.9	38	NW	30	-	-	-	-	3	7	3	0	1	0	14	55	6.4	
& 12:00 Noon																				

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
JANUARY 1962

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	4.21	.43	.11			T	2.47	.16	.04		.04					.68				T	T	T		.03	.12		.09	.04		T	T		
ATLANTIC CITY	4.83	.43	.11			T	2.98	.42			.08					.65						.01	.01	.08		.02	.02			.01			
AUDUBON	2.52						1.68	.13	.10	T						.39				T													
BASS RIVER ST FOREST	04.76		D.60				*	2.85		.07						.03	.66						.17	.06	T	.15	.22	.17					
BELLEPLAIN STA FOREST	3.98		.43				* 2.86				.04					.46							T			.12	.02	.05			T	T	
BELVIDERE	2.85			T		T	1.01	.70	T	T						.59					T		.15	.01	T		.25	.12		T	.02		
BERNARDSVILLE 2 E	2.12						.19	1.29		.01						.27							.02	.06				.23				.03	
BLACKWELLS MILLS	2.54						.23	1.59	T	T						.41							.02	.07		.04		.14			.02		
BOONTON 2 SE	2.79				T		.20	1.66	T	T						.54							.06	T			.31		.04		T		
BOUND BROOK 1 W	2.57	T					.30	1.52								.47						T	T				.16		.05				
BRANCHVILLE	3.02		T				.08	1.63								.10	.60					.12		.14		T	.29		.06	T			
BURLINGTON	3.01		-				1.38	.43	.02	T	-					.42							.02		-		.20						
CANISTEAR RESERVOIR	2.60	T			T		.39	1.35	T	T						.11	.61						T	.14	.09		T	.24		T	.08		
CANOE BROOK	2.60						.18	1.62	T							T	.44						T	T	.04	.02	.01	.28		.01			
CANTON	1.73		.01				.36	.75		.24	.03					.30											.04			T			
CAPE MAY 3 W	3.45		.33				1.04	1.30			.03					.10	.34				.01	.01		.02	.04	.06	.03	.02	.12				
CEDAR GROVE	2.55						.50	1.16								.05	.45						.09					.28			.02		
CHARLOTTEBURG	3.19				T		.22	1.66								.10	.58					.01		.12	.13		T	.29		.06	.02		
CHATHAM	2.13	T					.24	.99	T							T	.52											.31		.02			
CHATSORTH	2.95		.18				1.05	1.25		.13															.11		.17	.03		.03			
CLAYTON	1.94						.22	.75	T	.02	T				T	.61						.03	.01		.04		.21	.02		T	.03		
CLINTON	2.75	T					1.02	.78	.02	T						.55							.09		.03		.15	.09			.02		
ELIZABETH	2.93	.01	T				1.06	1.00	.02	.01						.39						.01		.08	.01	.03		.15	.10	T	.06		
ELIZABETHPORT	2.77					T	1.64	.32	.02							.44							.07		.04		.17	.03		T	.04		
ESSEX FIELDS SERV BLDG	2.95						.40	1.40								.60							.10	.05			.40						
FLEMINGTON 1 NE	2.81	.01					1.20	.81	.02							.47						T		.06	.02	.02	T	.12	.04		T	.04	
FORTESCUE	3.55		.30				.20	2.25		.08						.50											.12		.10				
FREEDHOLD	2.70						1.00	.65	.01		T					.60	.50						.02	.05	T	.05	.21			.11			
GREENWOOD LAKE	3.19				.03		.23	1.70		T						.07	.50					.02	T	.11	.12	.02		.30		.05	.04		
HAMMONTON 2 NNE	3.11		.35				.44	1.50	.02		.09					.53								.06		.01		.11					
HIGH POINT PARK	2.56				.05		.26	1.22	T							.10	.61					.05		.01	T		.06		.18		T	.02	
HIGHTSTOWN 1 N	2.74		T				1.08	1.00	T		T					.41							.02	.03	.01	.04	.12				.03		
INDIAN MILLS 2 W	2.51		T				1.21	.45	.04	.08	.01					.42							T	.01	.06	T	.20				.03		
IRVINGTON	2.52						.02	1.66	.20	.01						.32							.07		.01	.01		.20			.01	.02	
JERSEY CITY	2.75						.18	1.65	.30	.05						.34							.05	T			.18	T		T			
LAMBERTVILLE	2.43	T					1.31	.52	.01	T						.42							T		.04	T	.08	.03			.02		
LAYTON 3 NW	3.23			T			.03	.93	.02	T						.90						.02	.05				.20	.13			.02		
LITTLE FALLS	2.69						.25	1.44		.02						.01	.53						.01		.04		.01	.31			.03		
LONG BRANCH	3.10	.05	.08				1.57	.28	T	T	T					.28						.01		.02	.03	.04	.01	.16		.01	.06		
MAHWAH	3.21				.02		.24	1.71								.03	.57					T	T	.21	.05		.01	.28		.07	.02		
MANVILLE	-						.55	1.43								T	.45													T			
MAYS LANDING	4.39		.40				.22	2.80	T	.06	.02					.56								.02	.03		.15		.12		T	.01	
MILANO PARK	2.85						1.53	.24	.01							.55						.01		.15		.01		.27	.01	.01	.06		
MILLVILLE	2.89	.24					1.88	.08	.05	T						.42						T	T		.02	.11	.05	.04		T			
MILLVILLE FAA AIRPORT	2.98	.20	.02			T	1.95	.02	.05	.01						.43						T	T	.02	.05	T	.07	.16	T	T	T		
MILTON	-						.32	1.48		.04						.16	.69						.26								.08	.05	
MOORESTOWN	2.52						.31	1.42	.02	.06	.02					.47						T		.02	.03		.06		.09		T	.02	
MORRIS PLAINS	3.12				T		.21	1.86	T	.03	T					.03	.51						.07		.02			.34			.05		
NEWARK WB AIRPORT	2.56	.01	T	T	T	T	1.56	.26	T							.28						.01		.07	T	.06	.23	.03		.01	.04		
NEW BRUNSWICK EXP STA	2.71		T				1.03	.98	.02	T	T					.43								.03		.02	.03	.10	.02			.05	
NEW MILFORD	2.62						1.64	.28								.36							.04	.04			.22	.02			.02		
NEW MONMOUTH	2.87		.03				.96	.99	T	.02						.53	.07					T		.03	.07		T	.07	.07		.03		
NEWTON	2.76						.24	1.42	.01	T						.08	.51						.09	.09		T	.30			.02	T		
OAK RIDGE RESERVOIR	3.18				.03		.23	1.70	T							.11	.54					.04	.01		.16		T	.25		.07	.04		
OLOWICK	2.87		T				.44	1.52	T	.08						.06	.43							.07				.23					
ORANGE	2.69						1.60	.27								.45							.03		.01		*	*		.30	.03		
PATERSON	2.96						.80	.97			T					.06	.50					T	T	.09	.02		T	.17	.48			.04	
PEMBERTON 3 E	2.17						.77	.65								.54															.02		
PHILLIPSBURG	2.61						1.40	.24								.27	.12					.02	.11	.07			.16	.15			.07		
PHILLIPSBURG BRIDGE	3.01						*	1.80	.40							.05	.55							.17								.04	
PLAINFIELD	2.65				.05	1.90			T	T																							

DAILY TEMPERATURES

NEW JERSEY
JANUARY 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	39	33	39	50	43	58	57	49	33	29	26	26	36	45	55	44	40	30	35	38	41	56	56	45	53	57	57	30	35	49	27	42.3
	MIN	29	20	15	34	34	40	42	32	25	13	7	12	15	14	44	24	22	15	21	25	22	39	25	16	33	30	30	22	17	21	10	24.1
ATLANTIC CITY	MAX	42	37	37	48	42	53	51	45	34	30	29	28	38	44	49	42	40	30	35	38	40	50	50	43	51	47	49	32	36	45	30	40.8
	MIN	34	29	28	36	36	39	41	32	30	20	18	21	22	25	42	30	28	23	28	28	27	39	29	28	35	43	31	26	24	25	18	29.5
AUDUBON	MAX	37	34	37	50	36	60	59	49	33	28	26	28	37	46	60	48	39	30	33	36	38	53	54	36	52	50	50	31	33	48	25	41.2
	MIN	30	24	20	31	25	34	42	31	26	14	10	14	19	15	33	26	24	16	20	26	28	38	29	20	28	29	30	23	20	22	11	24.5
BELLEPLAIN STA FOREST	MAX	39	36	39	56	45	58	56	49	46	31	27	30	36	46	57	54	42	36	34	40	39	49	53	41	56	53	54	42	36	46	39	44.0
	MIN	28	22	5	29	34	40	40	35	20	15	6	6	12	8	34	27	15	12	20	27	14	35	40	12	27	22	26	25	12	28	10	22.1
BELVIDERE	MAX	34	32	35	40	33	38	48	43	38	26																						

DAILY TEMPERATURES

NEW JERSEY
JANUARY 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOMERVILLE	MAX	35	31	38	45	32	44	52	48	39	24	26	28	34	42	58	46	35	26	31	33	34	45	45	38	49	40	45	31	28	45	28	37.9
	MIN	15	21	11	24	19	29	39	30	24	14	10	6	7	8	29	29	15	11	10	22	12	34	30	11	23	19	31	21	16	25	7	19.4
SUSSEX	MAX	42	44	32	28	35	32	44	47	44	42	21	27	30	34	43	56	38	30	32	32	34	35	44	35	40	47	45	37	25	30	19	36.3
	MIN	20	15	2	5	5	9	9	27	22	14	10	4	4	9	12	20	22	9	11	11	11	18	31	10	10	18	19	20	15	19	0	12.6
TOMS RIVER	MAX	37	36	40	50	46	56	59	52	50	30	26	26	36	47	65	56	40	37	31	35	40	52	52	40	52	52	55	42	32	50	39	43.9
	MIN	24	26	9	31	30	37	40	37	22	16	10	6	14	9	28	29	17	10	15	15	14	34	38	12	28	21	41	24	18	27	9	22.3
TRENTON WB CITY	MAX	36	30	35	48	33	58	58	48	29	23	26	28	35	45	59	43	37	29	30	34	37	53	53	35	51	49	47	25	30	47	24	39.2
	MIN	29	23	22	26	23	32	41	28	23	14	12	15	19	21	37	30	21	15	19	25	22	37	29	24	31	33	24	21	20	15	10	23.9
TUCKERTON	MAX	40	38	40	50	42	55	57	50	42	30	26	26	36	45	55	53	40	35	34	38	40	52	55	40	53	48	55	40	32	50	35	43.0
	MIN	29	22	7	32	33	38	38	38	25	15	8	9	13	10	31	30	19	10	15	26	17	33	35	12	32	25	40	25	16	28	9	23.2
WOODSTOWN	MAX	37	33	36	50	40	60	59		41	30	25	27	36	44	57	50	39	36	33	36		51	55	36	54	46	51	41	31	44	26	41.5
	MIN	27	22	17	31	28	34	36		25	15	10	11	16	12	25	30	21	15	18	25		36	31	17	26	27	40	24	19	26	11	23.3

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT #1																																		
1 INCH	MAX	34	33	32	33	33	38	42	40	36	32	31	30	30	30	31	31	31	31	31	31	30	31	33	31	33	34	35	32	31	31	30	32.6	
	MIN	32	32	32	32	32	33	40	36	32	31	30	30	29	29	31	31	31	31	30	30	30	31	31	31	31	31	31	32	31	30	30	31.4	
2 INCHES	MAX	34	33	32	33	33	36	41	40	36	32	31	30	30	30	31	31	31	31	31	31	30	31	31	33	31	33	34	35	31	31	30	32.5	
	MIN	32	32	32	32	32	34	40	36	32	31	30	30	30	29	31	30	31	30	30	30	30	30	31	31	31	31	31	31	32	31	30	30	31.4
4 INCHES	MAX	35	35	35	35	35	37	40	39	39	35	33	32	32	32	32	32	32	32	32	32	32	32	33	32	33	34	35	34	31	32	31	33.7	
	MIN	34	34	34	34	34	34	37	39	35	33	32	32	32	32	32	32	31	31	31	31	30	32	32	32	32	32	34	32	31	31	31	32.8	
8 INCHES	MAX	36	36	36	36	36	37	40	39	39	36	34	34	33	33	33	33	33	33	33	33	33	33	33	34	33	33	34	35	34	33	33	34.6	
	MIN	35	35	35	35	35	35	39	39	36	34	33	33	33	33	33	33	33	33	32	32	32	33	33	33	32	33	34	33	32	32	32	33.8	
16 INCHES	MAX	39	38	39	38	38	39	40	40	40	39	37	37	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	36.6	
	MIN	38	38	38	38	37	37	38	39	39	37	37	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	36.1	
32 INCHES	MAX	42	41	42	41	41	42	41	41	41	41	41	41	40	40	39	39	39	38	38	38	38	38	38	38	37	37	37	37	37	37	37	39.2	
	MIN	41	41	41	41	40	40	40	41	41	41	41	40	40	39	39	39	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	38.9	
PLOT #2																																		
1 INCH	MAX	33	32	32	32	33	34	44	37	34	32	30	30	30	30	34	32	31	30	29	30	30	33	36	31	31	31	36	30	30	29	32.2		
	MIN	32	32	32	32	32	32	33	34	31	27	24	24	23	24	30	31	27	24	24	26	24	30	31	30	30	30	30	30	27	27	26	28.4	
2 INCHES	MAX	33	32	32	32	33	34	44	37	34	32	30	30	30	30	33	32	31	30	29	30	30	33	35	31	31	31	36	30	30	29	32.1		
	MIN	32	32	32	32	32	32	34	34	32	27	24	24	24	24	30	31	28	24	24	26	24	30	31	30	30	30	30	28	27	21	28.6		
4 INCHES	MAX	33	32	32	32	32	34	42	37	36	32	30	30	30	30	31	31	31	31	29	30	30	31	32										

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Electronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

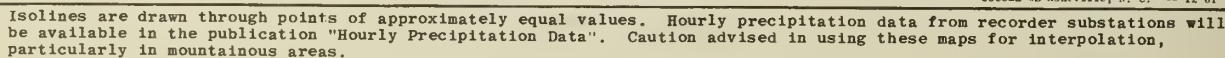
SNOWFALL AND SNOW ON GROUND

NEW JERSEY
JANUARY 1962

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	SNOWFALL SN ON GND WTR EQUIV	5.3	1.1 6 .5	5 .4	4 .3	T	T		T		.5 T	T	T								T	T T				.2					T	T	
BASS RIVER ST FOREST	SNOWFALL SN ON GND		6.0 6	-	-	-	-	-																								T T	
BELVIDERE	SNOWFALL SN ON GND	3	3	T 3	2	T 2	.3 2	T	T	T	T	T	T	T	T	.2					.1				T T		T			T	.1		
CHARLOTTEBURG	SNOWFALL SN ON GND	3	3	3	3	2	2	T	T													T T									.8 1	1	
CLAYTON	SNOWFALL SN ON GND							T T		T	T											T T			.5 T			T		T	T		
FLEMINGTON 1 NE	SNOWFALL SN ON GND	.5 11	10	9	6	6	3	T	T		T	T	T	T	T						T				T		T			T	1.0		
FREEHOLD	SNOWFALL SN ON GND										T														T						T		
HIGHTSTOWN 1 N	SNOWFALL SN ON GND	3	T 3	3	1	1	1				T										T				T						.1		
INDIAN MILLS 2 W	SNOWFALL SN ON GND		T T	T							.2 T	T	T									T				.4 T						.3	
LAMBERTVILLE	SNOWFALL SN ON GND	T 2	2	2	2	2	2				T						- -					T			T T						T		
LAYTON 3 NW	SNOWFALL SN ON GND	-	-	.1 6	6	6	5	2	T 3	T	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
LITTLE FALLS	SNOWFALL SN ON GND	4	4	4	4	3	2	T	T												.1 T	T				.1 T						.5 1	
LONG BRANCH	SNOWFALL SN ON GND	.8 2	1.2 4	3	1	T				T	T										.1				T					.1	.2		
MAYS LANDING	SNOWFALL SN ON GND		5.5 5	4	3	1					.4															.3							
MILLVILLE	SNOWFALL SN ON GND	4.5 -	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	T	T	-	-	-	-	-	-	-	-	T	-	
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GND	4.0 4	T 4	4	2	T			T		.4 T	T									T	T			.5					T	T		
MOORESTOWN	SNOWFALL SN ON GND	T	T	T	T	T					.3 T											T				1.0 T					.3 T		
MORRIS PLAINS	SNOWFALL SN ON GND										T											T				T					.5	T	
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	.1 2 .6	T 1	1	1	T	T				T T										.1 T				.2	T				.1	.5 T		
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND	4	T 4	-	-	-	-				T	T										T			T T						.5		
NEWTON	SNOWFALL SN ON GND	T 5	4	4	4	3	3	1	T	T	T	T	T	T	T	T					T T					T T					T T	T	
PATERSON	SNOWFALL SN ON GND	T 1									T						T					T	T			T					.1		
PEMBERTON 3 E	SNOWFALL SN ON GND																								T T						T		
PHILLIPSBURG	SNOWFALL SN ON GND																														T		
PLAINFIELD	SNOWFALL SN ON GND	3	2	2	T	T					T														.2					.5	T		
RAHWAY	SNOWFALL SN ON GND	T 3	2	1	T						T											T T				T T				T	.4 T		
SOMERVILLE	SNOWFALL SN ON GND	.2 -																								T T				1.0			
TRENTON WB CITY	SNOWFALL SN ON GND	T T	T	T	T	T	T		T	T	.1 T											T			.1		T			.1	.2 T		
WANAQUE RAYMOND DAM	SNOWFALL SN ON GND	3	3	3	.2 3	3	2	1	T													T									.5 1	T	

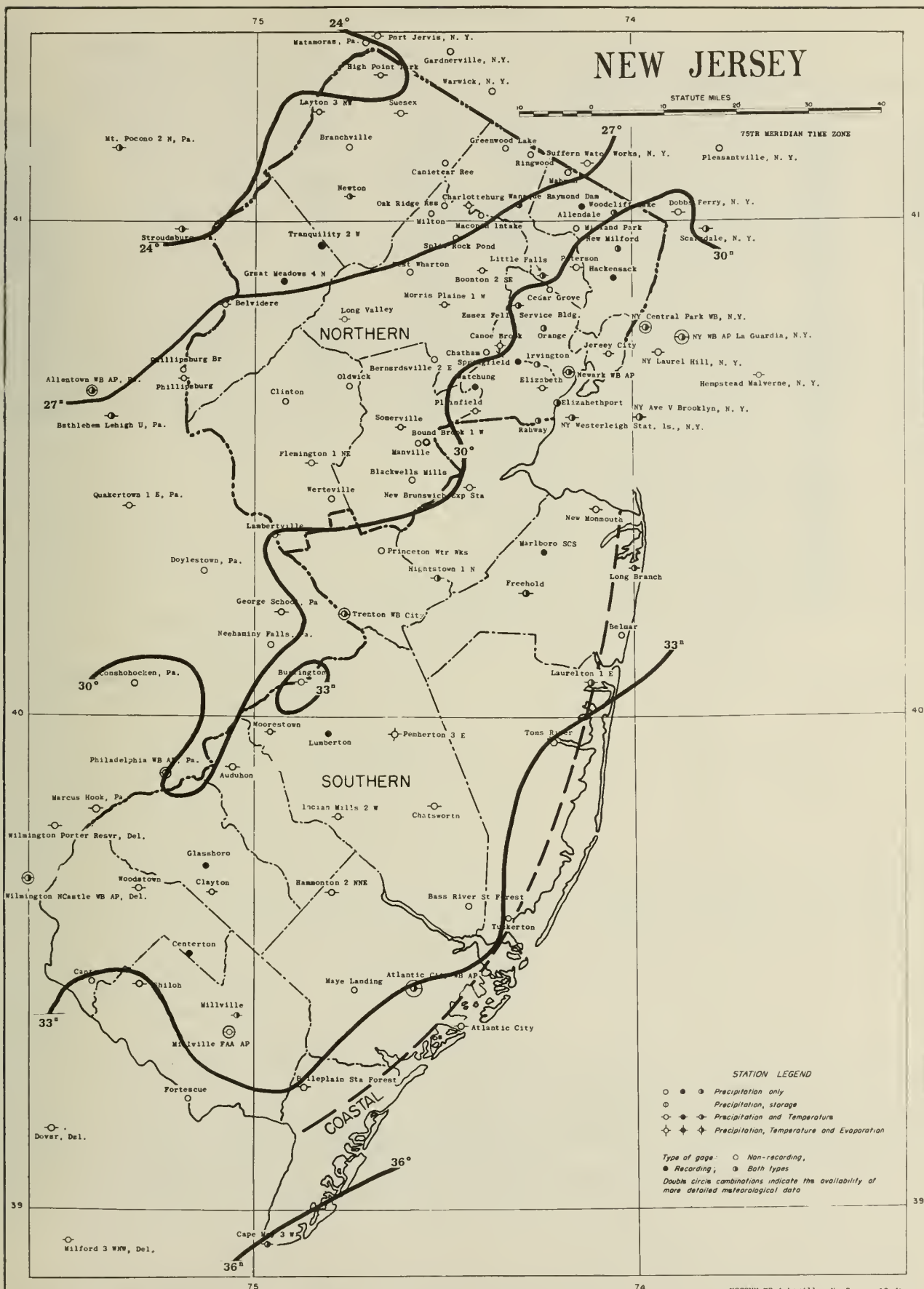
See reference notes following Station Index

NEW JERSEY
JANUARY 1962



AVERAGE TEMPERATURE

NEW JERSEY
JANUARY 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

NEW JERSEY
JANUARY 1962

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER
							TEMP.	PRECIP.	EVAP.	
ALLENDALE	0100	BERGEN	8 41 02	74 08	270					C BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1 39 27	74 35	58	MIO MID				C U.S. WEATHER BUREAU
ATLANTIC CITY	0329	ATLANTIC	1 39 23	74 26	10	MIO MID				C J. STATE MARINA
AUDUBON	0346	CAMDEN	2 39 54	75 04	50	11P				H IRVIN J. MYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20	9A				H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1 39 15	74 52	30	5P				H BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1 40 10	74 02	19	8A				H BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2 40 50	75 05	275	5P				H CLEMENT HAUT
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240	7A				H BERNARDS WATER COMPANY
BLACKBELLS MILLS	0847	SOMERSET	10 40 29	74 35	27	7A				H MENNY W. MILLER
BOONTON 2 SE	0907	MORRIS	8 40 54	74 24	280	8A				H JERSEY CITY WATER WORKS
BOUNO BROOK 1 W	0927	SOMERSET	10 40 33	74 33	20	8A				H AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580	7A				H ALBERT M. OVENPORT
BURLINGTON	1211	BURLINGTON	2 40 04	74 53	12	6P				H PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040	8A				H NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	9A	9A			H COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2 39 28	75 25	20	9A				H GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 58	10	5P				C N-WEST MAGNESITE CO.
CEAR GROVE	1472	ESSEX	8 40 52	74 13	400	8A				H J. A. PLUNKETT
CENTERTON	1512	SALEM	6 39 31	75 10	80					C JOHN HOPKINS UNI.
CHARLOTTEBURG	1582	PASSAIC	8 41 03	74 26	760	7A	7A			H NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8 40 44	74 23	185	8A				H EDWARD P. MOLITOR
CHATHAM	1598	BURLINGTON	1 39 49	74 32	100	5P				H EARL W. KERCHNER
CLAYTON	1708	GLoucester	6 39 39	75 06	120	6P				H HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10 40 38	74 55	300	6P				H L. W. KLOCKNER
ELIZABETH	2644	UNION	1 40 40	74 14	33	5P				H UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8 40 38	74 12	10	MIO				C SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLDG	2768	ESSEX	8 40 50	74 18	250	8A	8A			C BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 51	134	5P	5P			H DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2 39 14	75 10	5	7A				H JOHN LOPER
FREHOLD	3181	MONMOUTH	10 40 15	74 17	194	6P	6P			C FRANK J. MOREAU
GLASBORO	3291	GLoucester	2 39 42	75 07	135					C GLASSBORO STATE COLLEGE
GREAT MEADOWS 4 N	3416	WARREN	2 40 56	74 55	540					C GAMMA CHEMICAL CORP.
GREENWOOD LAKE	3516	PASSAIC	8 41 09	74 20	660	7A				C GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4 40 53	74 03	10					C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3642	ATLANTIC	7 39 39	74 48	85	8A	8A			H W. HUBBARD PARTHURST
HIGHTSTOWN 1 N	3935	SUSSEX	2 41 18	74 40	1570	8A	8A			H N. J. DEPT. OF CONS.
IRVINGTON	4239	BURLINGTON	10 40 17	74 31	100	6P	6P			H JAMES R. PICKERING
JERSEY CITY	4260	ESSEX	1 40 43	74 15	120	MIO				C JOINT MEETING GARAGE
LAMBERTVILLE	4339	HUDSON	1 40 44	74 04	135	MIO	MIO			H JERSEY CITY WATER DEPT.
LAURELTON 1 E	4635	HUNTERDON	2 40 22	74 57	75	6P	6P			H H. E. CASE
LITTLE FALLS	4700	OCEAN	1 40 04	74 07	20	MIO	MIO			C GEORGE G. WADGILL
LONG BRANCH	4987	MONMOUTH	1 40 18	74 00	20	MIO	MIO			H M. A. DEVE
LONG VALLEY	5003	MORRIS	10 40 48	74 46	660	6P	6P			C PASSAIC VLY. WTR. COMM.
LUMBERTON	5055	BURLINGTON	2 39 58	74 48	25					C WILLIAM D. MARTIN, JR.
MACOPIN INTAKE	5071	PASSAIC	8 41 01	74 24	584					H ARTHUR BAREMAN
MANHAW	5104	BERGEN	8 41 06	74 10	253	7A				C JAMES LANTON
MAYVILLE	5197	SOMERSET	10 40 33	74 34	90	8A				H INACTIVE 1/61
MAYS LANDING	5244	MONMOUTH	1 40 20	74 14	120					H ROBERT G. GLASGOW
MIDLAND PARK	5346	ATLANTIC	3 39 27	74 44	10	9A				H JOHN L. RADCLIFFE
MILLVILLE	5503	BERGEN	8 40 59	74 09	210	MIO				C GERON BRILL
	5576	CUMBERLAND	6 39 24	75 03	60	8A	MIO			H COUNTY EXTENSION SVC.
										C RIDGEWOOD WATER CO.
										C L. J. GALLAMER

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-HAURICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-BARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

51.05
NNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

FEBRUARY 1962
Volume 67 No. 2



ASHEVILLE: 1962

THE LIBRARY OF THE
APR 25 1962

ENTERED FOR MAILING 19

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 67° on the 5th at Belleplain Sta Forest

Lowest Temperature: -15° on the 11th at High Point Park and Sussex

Greatest Total Precipitation: 5.21 inches at Flemington 1 NE

Least Total Precipitation: 2.66 inches at High Point Park

Greatest One-Day Precipitation: 1.70 inches on the 24th at Belvidere

Greatest Reported Total Snowfall: 21.0 inches at Midland Park

Greatest Reported Depth of Snow on Ground: 12 inches on the 22+ at
Greenwood Lake

SPECIAL WEATHER SUMMARY

The most significant meteorological element of the month was the occurrence of a glaze storm on the 19th when freezing rain produced a layer of ice up to 1/4 inch or more in thickness over nearly all portions of the State.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
c/o General Delivery
Trenton, New Jersey

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are checked for accuracy and completeness and placed on punch cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.

CLIMATOLOGICAL DATA

NEW JERSEY
FEBRUARY 1962

Station		Temperature										Precipitation																
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
											Max.		Min.						Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	1.0 or More	.50 or More	1.00 or More
											30° or Above	32° or Below	32° or Below	30° or Below														
NORTHERN																												
BELVIDERE		36.5	18.3	27.4	- 3.9	50	4	- 7	11	1045	0	6	27	2	4.77	1.65	1.70	24	11.8	5	14	8	2	1				
BOONTON 2 SE		34.5	17.8	26.2	- 3.3	51	6	- 4	11	1083	0	8	27	2	3.98	1.25	.80	24			9	3	0					
CANOE BROOK		35.9	17.0	26.5	- 3.1	55	6	- 8	11	1073	0	6	26	3	4.34	1.38	.91	24	12.5	5	17+	11	3	0				
CHARLOTTEBURG		34.3M	14.1M	24.2M	- 4.9	55	6	- 5	14+	1125	0	9	28	5	4.60	1.43	1.10	24	18.0	9	22+	9	3	1				
ELIZABETH		38.4	22.7	30.6	- 2.7	56	5	- 1	11	958	0	4	24	0	4.77	1.49	.95	26	11.3	2	14+	11	4	0				
ESSEX FELS SERV BLDG		34.8	19.0	26.9		55	6	- 2	11	1060	0	8	26	0	3.72		.57	27			9	3	0					
FLEMINGTON 1 NE		38.3	18.4	28.4	- 3.9	58	5	- 8	11	1020	0	4	26	3	5.21	2.43	1.12	26	18.7	6	14+	9	4	1				
HIGH POINT PARK		31.8	10.1	21.0		52	6	-15	11	1228	0	17	28	5	2.66		.96	24		11	26+	9	2	0				
JERSEY CITY		35.1	24.9	30.0	- 2.7	50	5	0	11	975	0	8	24	1	3.43	.53	1.19	26			9	1	1					
LAMBERTVILLE		38.0	21.8	29.9	- 2.6	58	5	- 4	11	977	0	5	24	1	4.16	1.44	1.01	26	8.5	4	14	8	3	1				
LAYTON 3 NW				28.9																								
LITTLE FALLS		37.2	20.5	28.9	- 2.8	57	6	- 4	11	1005	0	8	26	1	4.23	1.16	.93	24	15.7	6	22+	9	3	0				
LONG VALLEY		36.6	18.0M	27.3M		54	5	- 6	11	1049	0	4	27	3	4.10	1.08	.83	26+	12.8	6	22	10	2	0				
MORRIS PLAINS		35.5	17.8	26.7		54	6	- 4	11	1068	0	8	27	1	4.30		.85	24	16.5			10	3	0				
NEWARK WB AIRPORT		36.6	24.0	30.3	- 2.4	55	5	3	11	963	0	7	23	0	4.25	1.45	.99	26	13.1	3	14+	10	3	0				
NEWTON		32.8	14.3	23.6	- 4.5	51	6	-14	11	1155	0	10	27	4	3.79	1.22	1.11	24	13.1	6	15+	7	3	1				
PATERSON		36.3	21.0	28.7	- 3.4	51	6	- 2	11	1011	0	7	26	0	3.72	.57	.70	27	12.6	6	15	8	3	0				
PHILLIPSBURG		38.7	20.9	29.8	- 1.6	54	5	- 2	11	983	0	5	25	1	4.43	1.37	1.10	24	12.0	5	14	9	3	2				
PLAINFIELD		37.7	22.7	30.2	- 2.3	55	5	0	11	966	0	6	24	1	4.35	1.33	.87	24	11.5	5	14		3	0				
SOMERVILLE		37.1	20.5	28.8	- 3.2	53	5	- 4	11	1005	0	7	24	2	4.17	1.42	.91	26	11.7			9	2	0				
SUSSEX		34.0M	11.2M	22.6M	- 6.3	50	6	-15	11	1184	0			4	3.73	1.01	1.19	24	16.0	8	26+		3	1				
DIVISION				27.4	- 3.5										4.14	1.22			13.5									
SOUTHERN																												
ATLANTIC CITY WB AP		41.5	26.6	34.1	- .6	60	5	4	11	860	0	4	22	0	3.47	.34	1.03	19	4.6	2	14+	10	2	1				
AUDUBON		39.9	24.7	32.3		60	5	2	11	907	0	4	24	0	3.83		.85	26	12.0	3	14+	11	2	0				
BELLEPLAIN STA FOREST		43.8	24.6	34.2		67	5	2	11	854	0	3	22	0	3.16	-.02	.87	19	4.2	1	14	7	2	0				
BURLINGTON		39.4	23.1M	31.3M	- 3.6	58	5	- 1	11	936	0	5	23	0	4.36	1.46	1.62	26		T	3	8	3	1				
CHATSWORTH		41.8	23.1	32.5		66	5	- 1	11	903	0	3	23	1	4.58		1.43	22				10	3	1				
CLAYTON		38.9	23.7	31.3		59	5	1	11	935	0	6	24	0	4.72		1.17	26	8.2	4	14	11	2	1				
FREEHOLD		38.5	22.9	30.7	- 2.2	65	5	- 2	11	953	0	5	23	1	3.67	.53	.65	26	8.9	4	16+	8	3	0				
HAMMONTON 2 NNE		39.5	22.9	31.2	- 3.3	64	6	- 1	11	941	0	6	25	1														
HIGHTSTOWN 1 N		38.7	21.4	30.1	- 2.8	60	5	- 6	11	973	0	5	24	1	4.35	1.62	.93	24	11.0	4	14		3	0				
INDIAN MILLS 2 W		39.4	22.1	30.8	- 3.0	64	5	- 1	11	952	0	6	25	1	3.84	.73	.74	19	8.7	2	14+	9	3	0				
MILLVILLE		40.6	24.8	32.7		62	6	3	11	899	0	6	22	0	3.38		.91	19				7	2	0				
MILLVILLE FAA AIRPORT		40.4	25.2	32.8		62	5	2	11	894	0	4	22	0	3.21		.69	26	8.0	3	14	8	3	0				
MOORESTOWN		38.3	23.1	30.7	- 2.7	60	5	0	11	953	0	5	23	1	3.47	.74	.53	27		5	14	9	1	0				
NEW BRUNSWICK EXP STA		38.0	21.8	29.9	- 2.9	58	5	- 2	11	976	0	5	26	1	4.13	1.36	.87	24	11.3	6	15+	10	2	0				
NEW MONMOUTH		39.0	22.6	30.8		62	5	5	11	949	0	5	25	0	4.67		1.00	24		4	14	9	4	1				
PEMBERTON 3 E		40.3	27.7	31.5	- 2.8	66	5	- 1	11	932	0	4	23	1	3.26	.38	1.12	24	7.7	1	16+	8	2	1				
SHILOH		41.0M	24.0M	32.5M	- 2.4	59	5	- 2	11	909	0	2	22	1	3.74	.85	.79	19					3	0				
TOMS RIVER		41.3	23.4	32.4		65	5	0	11	909	0	3	24	1	3.89		.69	19	6.5			10	4	0				
TRENTON WB CITY		37.6	24.3	31.0	- 2.4	60	5	0	11	950	0	6	24	1	4.11	1.52	.95	26	11.2	4	14	9	2	0				
TUCKERTON		41.4	24.9	33.2		55	5	1	11	886	0	4	23	0	3.99		.85	19	4.8			11	2	0				
WOODSTOWN		39.9	22.1	31.0		61	5	0	11	945	0	4	24	1	3.78		.80	26	10.0	5	10	8	3	0				
DIVISION				31.8	- 1.9										3.88	.89			8.4									
COASTAL																												
ATLANTIC CITY		39.1	29.9	34.5	- 1.2	48	24+	14	11	847	0	3	20	0	3.25	-.13	1.20	19				8	1	1				
CAPE MAY 3 W		41.3M	28.9M	35.1M		50	5	7	11	834	0	3	20	0	3.73		.81	19					0					
LONG BRANCH		37.7	25.0	31.4	- 1.6	58	5	7	11	935	0	4	22	0	4.94	1.40	.83	24	10.7	3	15+	9	5	0				
DIVISION				33.7	- .6										3.97	.85			10.7									

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset		
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 e EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total	
ATLANTIC CITY WB AIRPORT	W	15	9.3	29++	W	24+	79	80	65	76	5	3	8	1	1	0	18	35	7.0	
LONG BRANCH	NW	13	11.6	38	NE	24	-	76	64	68	2	7	4	6	0	0	19	36	7.3	
NEWARK WB AIRPORT	NNE	15	9.3	24++	NNW	24	71	75	67	68	4	5	7	3	0	0	19	-	7.5	
TRENTON WB CITY	N	-	8.6	31	NW	24	-	-	-	-	0	7	7	2	0	0	16	46	7.2	
& 12:00 Noon																				

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
FEBRUARY 1962

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY W8 AP	3.47	.12	.08	.01			T				.36	T			.27	.10				1.03	T	.28	.30	T	.10	T	.51	.24	.07				
ATLANTIC CITY	3.25	.03	.10								.33				.26	.11				1.20	.02	.23	.19				.87	.27	.03				
AUDUBON	3.83	T	.15	T			T	T			.35	.10			.40	.09				.69	T	.35	.10	T	.35		.85	.30	.15				
BASK RIVER ST FOREST	3.59	*	.27												.35	.08				.89		.05	*			*	.74	.37					
BELLERAIN STA FOREST	03.16	*	.07								.32				.47			.13	*	.87		.05	*	.39	.08		.59	.24					
BELVIDERE	4.77		.09	.08			T				.30	.08			.42		.04	T		.27	T	T	.14	1.70		.88	.30	.47					
BERNARDSVILLE 2 E	4.20		.05	.08		.02		.05			.41	.00			.33	.05		.06		.11	.33	.55	.02	.93	.20	.60	.22	.22					
BLACKWELLS MILLS	3.38		.06	.07							.56				.38	.17		.04		.11	.28	.24	.92			.07	.03	.50					
BOONTON 2 SE	3.98	T	.08	.02	T	.04					.36				.30	.21		.07		.14	.32	.24	T	.80	T	.05	.73	.62					
BOUND BROOK 1 W	4.70		.04	.07	T	T			.01		.57				.55	T		.15		.20	.37	.22	T	.88		.12	.83	.69					
BRANCHVILLE	3.76	T	T	.11	.06	T	.05				.36				.27	T	.03	T		.27		T	.23	1.20		.62	.56						
BUPLINGTON	04.36	T	T	.01			T				.10	.48			.75	.05	T	.05	T	.60			.31	T		1.62	.28	.16					
CANISTEAO RESERVOIR	4.28	T	.02	.12	.02		T	.05			.44				.32	.26		.10	T	.44		.21	T	1.01		.18	.50	.64					
CANOE BROOK	4.34		.03	.07	T	T	.05				.43				.31	.17		.10	T	.17	.22	T	.91	T		.16	.86	.60					
CANTON	4.66		.05	.04			.02				.65				.52	T				.75	.15	T	.50	.16		.85	.62	.25					
CAPE MAY 3 W	3.73	*	.14	.07							.71	.38			*		.55	.12		.81	.01		.35	.02	.08		.60	.27	.12				
CEDAR GROVE	4.39		.04	.07							.80				.42	.24				.25	.22		.20	1.05		.55	.55						
CHARLOTTEFRANK	4.60		.06	.11	.05	T	.05				.41				.28	.36		.09		.07	.40		.22	1.10		.02	.68	.70					
CHATHAM	4.22		.10	.10	.02						.42				*	.50				*	.30		.25	T	.92		.11	.84	.66				
CHATSWORTH	4.58		.12	.10	.02						.33				.32					.65			1.43	.69		.45	.25	.17					
CLAYTON	4.72		.05	.15	T						.41	.01			.45		.03	T		.16		.36	.87	.28	.45	1.17	.19	.14					
CLINTON	4.28		.10	.07			.08	.06			.25	.05			.42		.05	.01		.34		.02	.16	1.00		.95	.34	.38					
ELIZABETH	4.77		.22	.10			.09	.01			.71	.50			.52	.03	.01	.15		.35		.03	.26	.01	.83		.95	.40	.30				
ELIZABETHTHROTT	4.37	T	.12	.04			.08	.01			.52	T			.52		.10			.30		.10	.21	.06	.72	.02	.94	.33	.30				
ESSEX FFLLS SERV RLDG	3.72	*	.10				.06				.43				.28	.24		.10		.14	.22		.19	.80		.10	.55	.53					
FLEMINGTON 1 NE	4.21		.09	.14			.05	.02			.39	.05			.59		.07	.03		.48		.03	.37		.90	1.12	.32	.55					
FORTESCUE	3.31		.13								.45				.77	.13				.32			.32		.04		.11	.50	.36				
FREEDHOLD	03.67		.05	.03				D.03			.33	.08			D.35		.05			.60	T		.40	.05	.60		.65	.16	.29				
GREENWOOD LAKE	4.80		.03	.10	.06		.06				.46	.02			.30	.55	.09			.04	.42	T	.23	.02	1.02	.14	.02	.57	.67				
HAMMONTON 2 NNE	-		.05	.04			.03								.03			.08		.51	.29				.05		.11	.47	.26				
HIGH POINT PARK	2.66		.01	.04	.01		.04				.26				.10	.17		.04	*	.12		.05	T	.96	T	.36	.50						
HIGHTSTOWN 1 N	4.54		.14	.05							.43				.45					.53	T		.60	T	.93		.86	.20	.36				
INDIAN MILLS 2 W	3.84		.13	.03			.04				.36	.07			.31		.06			.74	T	.03	.63	T	.58		.49	.23	.14				
IRVINGTON	4.06	T	.15	.05			.04				.34	.02			.50	.13				.31	.13	.08	.12	.72		.84	.32	.33					
JERSEY CITY	3.43		.15	.06							.22	T			.46	T	T			.40		.07	.12	.03	.28	1.19	.21	.24					
LAMBERTVILLE	4.16		.05	.04			T	T			.39	.04			.56		.06	T		.38	T		.24	T	.70		1.01	.28	.41				
LAYTON 3 NW	-		.05					-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LITTLE FALLS	4.23		.04	.07	.02	T	.02				.48	T			.37	.26		.08		.20	.28		.26	T	.93	T	.08	.56	.58				
LONG BRANCH	4.94	T	.41	.04		.01		.01			.63	.04			.62	T	.04			.70	T	.06	.43	.83		.56	.18	.37					
LONG VALLEY	4.10	T	.09	.07			.05				.22	.13			.47	T	.03	.01		.35	T	.03	.15	.12	.83		.83	.31	.41				
MAHWAH	4.90		.03	.09	.05		.18				.50				.40	.61		.11	T	.05	.35		.27		.95	.02	.01	.64	.64				
MANVILLE	03.72		.10	.10	.05			T			.97				.36		D.10			T	D.10	.11	.03	.62		.08		.60	.50				
MAYS LANDING	3.75		.15	.07	.02						.45				.54		.12			.54	.42		.63	.07	.11		.03	.48	.27				
MIDLAND PARK	4.36		.10	.06		.03					.49				.76		.12			.50		.13	.11	.91		.66	.28	.61					
MILLVILLE	3.38	.09	.04	.02	T						.48				.38		.08			.91	.28	.16	T	.02		.67	.21	.06					
MILLVILLE FAA AIRPORT	3.21	.04	.05	.02		.02					.56				.38		.08			.54	T	.25	.15	.01	.07		.69	.25	.10				
MILTON	4.08		.14	.15	.10		.04				.68				.25	.22	.05	.10		.35	.21		.18	.08	.57	.23	.24	.26	.23				
MOORESTOWN	3.47		.09	.07	T			.02			.36				.29	T	.03			.49	.18		.37	T	.49	T	.12	.53	.44				
MOORET RAINS	4.30		.03	.07	.05	T	.04				.38				.36	.18				.16	.28	T	.27	T	.85	T	.11	.80	.65				
NEWARK W8 AIRPORT	4.25	T	.25	.06		.02	T				.47	.02			.54	T	.11	.07		.22		.0	.17	.07	.60	T	.99	.38	.26				
NEW BRUNSWICK EXP STA	4.13		.10	.05			T	T			.30	.10			.40		.05			.38	T	.05	.27	T	.87		.85	.28	.47				
NEW MILFORD	3.88		.04	.08		.04	.02				.38	.02			.62		.10			.40		.04	.14	.02	.86		.50	.18	.44				
NEW MONMOUTH	4.67		.05	.09			.03				.54	T			.56		.03			.56		.03	.42	.03	1.00		.80	.18	.43				
NEWTON	3.79		.03	.07	.02	T					.38				.23	.07		.04		.09	.24		.20	1.11		.06	.62	.63					
OAK RIDGE RESERVOIR	4.29		.13	.06	.06						.53				.23	.31		.12		.08	.38		.19	1.08		.19	.41	.52					
OLDWICK	4.82		.13	.09	T	T	.08	T			.41				.41	.14		.06		.14	.24		.23	1.04	T	.15	1.00	.70					
ORANGE	4.52		.08	.09							.63				.60				</														

DAILY TEMPERATURES

NEW JERSEY
FEBRUARY 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AR	MAX	32	31	38	56	60	47	27	40	41	34	24	39	40	43	40	38	45	40	45	39	38	50	47	50	37	51	44	40			41.5	
	MIN	26	25	27	31	41	18	14	19	22	12	4	15	14	30	31	31	28	24	31	31	25	38	38	28	24	37	40	40			26.6	
ATLANTIC CITY	MAX	33	32	35	44	48	45	29	38	39	35	25	34	36	42	37	38	44	37	45	38	38	46	42	48	37	47	42	42			39.1	
	MIN	29	30	30	32	40	24	20	26	30	19	14	22	23	33	32	32	31	28	34	32	29	38	38	30	28	37	38	38			29.9	
AUGUBON	MAX	32	27	36	57	60	48	27	41	38	34	24	35	39	41	40	36	44	40	35	39	33	39	43	49	39	54	44	43			39.9	
	MIN	23	17	25	30	35	23	14	18	23	13	2	15	14	27	27	22	31	24	30	29	28	32	35	27	22	31	38	37			24.7	
BELLERLAIN STA FOREST	MAX	33	31	40	62	67	55	30	41	41	34	24	38	42	44	41	38	47	42	46	40	37	50	47	54	54	52	50	47			43.8	
	MIN	20	24	27	30	35	28	9	9	18	24	2	8	17	25	29	29	27	20	23	35	20	31	38	38	23	22	39	39			24.6	
BELVIOERE	MAX	28	25	33	50	47	41	28	38	34	32	25	32	39	39	41	36	44	38	33	39	35	35	41	39	34	37	39	39			36.5	
	MIN	18	7	18	23	28	20	8	10	17	14	-7	4	-1	21	26	15	23	18	20	24	14	26	30	30	15	27	32	33			18.3	
BOONTON 2 SE	MAX	23	26	28	34	47	51	28	23	37	36	25	23	34	38	37	36	33	41	38	34	35	32	35	42	40	34	37	38			34.5	
	MIN	8	11	12	24	29	23	10	11	18	19	-4	-1	4	9	28	11	16	22	22	24	17	20	31	30	17	20	32	34			17.8	
BURLINGTON	MAX	30	30	37	56	58	52	28	38	38	35	24	32	35	41	38	37	45	39	37	39	36	38	44	45	36	48	44	42			39.4	
	MIN	22	17	25	29	34	27	14	17	17	10	1	17	18			24	24	24	24	23	17	25	35	36	22	25	36	37			23.1	
CANOE BROOK	MAX	24	29	28	36	50	55	30	24	39	39	37	23	33	37	38	36	34	43	39	33	36	34	35	42	40	35	37	39			35.9	
	MIN	9	12	12	25	26	23	11	11	16	18	-8	-3	-4	5	30	9	12	18	21	26	15	22	31	33	18	23	31	33			17.0	
CARE MAY 3 W	MAX	34	34	35	47	50	48	32	42	42	40	27	32	36			40	42	42	46	38	38	47	46	47	44	49	48	47			41.3	
	MIN	25	26	29	31	39	30	18	22	26	25	7	18	22			30	33	28	30	34	32	32	38	39	26	35	38	39			28.9	
CHARLOTTEBURG	MAX	20	23	27	40	47	55	25	20	36	37			27	34	37	35	31	38	35	33	33	33	40	41	41	32	35	38			34.3	
	MIN	3	7	9	25	28	20	7	6	15		-5	-5	-5	-5	26	5	8	18	19	20	16	20	30	30	15	14	30	31			14.1	
CHATSWORTH	MAX	30	29	38	59	66	59	38	40	41	33	24	35	40	41	39	37	45	42	39	38	37	43	45	46	39	53	53	42			41.8	
	MIN	19	21	26	28	33	24	13	12	18	20	-1	1	7	25	29	27	21	21	26	31	22	28	35	36	19	30	38	37			23.1	
CLAYTON	MAX	30	25	34	54	59	52	24	37	30	34	25	32	34	39	38	35	42	43	35	37	34	42	45	47	41	53	46	43			38.9	
	MIN	21	16	24	23	28	21	10	18	21	17	1	11	10	27	28	23	24	30	30	22	30	30	36	34	21	30	39	38			23.7	
ELIZABETH	MAX	31	28	36	51	56	48	27	40	42	34	25	35	39	38	38	37	44	41	35	38	35	36	44	41	35	40	41	40			38.4	
	MIN	18	12	23	27	30	24	12	16	22	21	1	11	13	24	35	22	20	22	28	25	21	26	31	33	20	28	36	35			22.7	
ESSEX FIELDS SERV 8LOG	MAX	24	26	28	35	47	55	29	24	38	38	26	22	33	38	35	35	34	42	38	32	36	33	35	42	39	34	37	39			34.8	
	MIN	7	7	14	27	29	22	9	11	20	20	2	3	8	15	29	14	20	19	23	26	16	24	31	34	18	20	32	33			19.0	
FLEMINGTON 1 NE	MAX	29	26	38	54	58	49	26	42	38	34	24	35	39	40	38	35	41	41	35	37	37	37	41	42	37	40	40	39			38.3	
	MIN	19	12	22	22	28	24	1	2	16	19	-8	-3	-3	18	29	11	22	18	25	26	14	28	32	32	15	28	33	34			18.4	
FREEHOLD	MAX	29	27	38	53	65	48	28	37	40	34	21	32	36	40	36	36	43	37	35	37	33	36	42	38	43	49	46	38			38.5	
	MIN	19	17	25	32	33	25	10	14	22	19	-2	7	5	25	30	20	25	20	28	29	19	28	33	33	28	28	36	34			22.9	
HAMMONTON 2 NNE	MAX	28	31	27	37	60	64	33	28	41	40	23	20	35	39	42	37	40	43	41	38	38	40	45	45	49	42	54	45			39.5	
	MIN	12	20	20	27	32	22	12	14	22	22	-1	5	10	16	28	27	25	24	28	32	25	28	36	36	21	30	30	37			22.9	
HIGH POINT PARK	MAX	18	19	27	37	44	52	29	21	33	28	20	22	29	31	30	33	28	36	34	30	29	31	32	33	32	40	44	48			31.8	
	MIN	-3	-1	1	21	31	11	-1	4	14	6	-15	-11	5	12	19	11	12	10	9	12	11	15	18	22	6	8	27	28			10.1	
HIGHTSTOWN 1 N	MAX	30	32	36	52	60	55	28	39	40	35	22	30	35	40	38	35	42	39	35	36	35	37	42	43	35	49	45	38			38.7	
	MIN	20	15	24	25	29	26	10	15	15	19	-6	4	3	22	29	17	26	19	27	29	20	29	33	33	21	27	34	35			21.4	
INDIAN MILLS 2 W	MAX	31	26	37	58	64	50	25	41	38	32	20	34	38	41	38	35	43	40	36	37	31	42	45	47	34	53	45	41			39.4	
	MIN	19	19	24	27	31	25	11	11	18	16	-1	4	3	26	28	23	20	18	27	31	21	29	35	32	19	30	37	37			22.1	
JERSEY CITY	MAX	20	28	37	45	50	45	22	35	39	31	18	28	31	36	35	36	42	36	32	36	35	36	42	38	33	38	42	38			35.1	
	MIN	20	15	27	31	39	21	12	19	31	10	0	10	16	30	30	26	30	24	29	29	26	32	36	27	20	32	38	36			24.9	
LAMBERTVILLE	MAX	30	27	28	54	58	47	27	40	37	33	25	35	37	41	38	35	43	39	34	38	35	37	42	43	36	42	42	40			38.0	
	MIN	20	13	22	27	30	26	11	15	20	18	-4	6	3	23	29	17	24	22	28	28	19	29	34	33	18	29	35	35			21.8	
LAYTON 3 NW	MAX	23	22																														
	MIN	15	7																														
LITTLE FALLS	MAX	25	28	30	42	52	57	32	24	40																							

DAILY TEMPERATURES

NEW JERSEY
FEBRUARY 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SHILOH	MAX				57	59	55	28	40	37	33	20	34	37	41	37	35	44	39	35	38	37	45	44	51	37	51	46	45			41.0	
	MIN	18				36	26		12	18	24	18	- 2	10	12	25	27	20	27	21	26	31	25	30	35	35	21	31	36	38		24.0	
SOMERVILLE	MAX	29	25	37	51	53	46	24	39	39	32	23	31	36	39	39	33	43	40	32	37	34	37	43	42	34	42	40	38			37.1	
	MIN	20	13	24	26	29	24	9	10	14	17	- 4	4	0	22	30	16	18	21	26	25	19	29	33	33	18	29	34	35			20.5	
SUSSEX	MAX				50			27	25	37	29	20	24	28	35	27	35	27	38	38	36	33	36	40	43	44	37	36	38			34.0	
	MIN	5						5	7	12	12	-15	- 5	- 6	- 6	20	7	10	15	10	17	10	11	26	26	20	14	29	33			11.2	
TOMS RIVER	MAX	32	33	36	54	65	57	30	40	43	37	27	33	37	40	36	38	41	44	39	38	37	39	45	47	46	51	50	42			41.3	
	MIN	18	28	28	26	31	28	12	12	19	22	0	7	7	22	31	20	24	22	25	31	19	29	35	36	20	29	38	37			23.4	
TRENTON WB CITY	MAX	29	26	36	54	60	45	24	37	38	33	21	30	35	40	36	35	42	36	34	37	32	36	43	43	34	52	43	42			37.6	
	MIN	21	15	26	30	36	21	12	18	27	7	0	14	16	26	30	25	30	24	28	30	27	32	35	24	20	32	37	36			24.3	
TUCKERTON	MAX	32	32	40	51	55	50	30	40	40	36	25	33	38	44	40	39	46	40	45	40	37	45	47	49	40	50	49	45			41.4	
	MIN	20	25	27	29	34	28	12	13	18	22	1	10	10	24	30	29	28	21	31	32	22	31	36	38	20	31	38	38			24.9	
WOODSTOWN	MAX	32	27	35	55	61	54	28	40	36	33	20	34	37	41	38	36	44	42	36	37	36	42	44	49	36	53	46	46			39.9	
	MIN	20	15	23	30	29	26	13	17	20	15	0	5	2	22	28	18	19	22	28	20	23	30	35	34	21	30	36	38			22.1	

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT #1																																		
1 INCH	MAX	30	30	30	30	34	34	31	30	30	30	30	29	29	29	30	30	30	30	33	33	29	30	30	32	30	33	34	34				30.9	
	MIN	30	30	30	30	30	31	28	28	29	29	29	27	29	29	29	29	29	29	30	29	29	29	29	30	29	30	33	33	34			29.6	
2 INCHES	MAX	30	30	30	30	34	34	31	30	30	30	30	29	29	29	29	30	30	30	33	33	30	30	30	32	30	33	34	34				31.0	
	MIN	30	30	30	30	30	31	28	28	29	29	29	29	29	29	29	29	29	29	30	29	29	29	30	30	30	29	30	33	33			29.6	
4 INCHES	MAX	31	31	31	31	35	35	32	31	31	30	30	30	30	30	30	30	30	31	31	34	34	31	31	31	32	31	33	34	34				32.7
	MIN	31	31	31	31	30	32	29	29	30	30	30	30	30	30	30	30	30	30	30	31	31	30	31	31	31	30	30	33	33			30.6	
8 INCHES	MAX	32	32	32	32	34	35	33	32	31	31	31	31	31	31	31	31	31	31	32	34	35	31	32	32	32	32	33	34	34				32.2
	MIN	32	31	31	31	31	33	32	31	31	31	31	31	31	32	31	31	31	31	32	31	31	31	31	31	31	31	31	33	34			31.5	
16 INCHES	MAX	34	34	34	33	33	34	34	33	33	33	33	33	33	33	33	33	33	33	35	36	33	33	33	33	33	33	33	34	34				33.6
	MIN	34	34	34	33	33	34	34	33	33	33	33	33	33	33	33	33	32	32	33	32	32	33	32	32	32	32	33	34				32.9	
32 INCHES	MAX	37	37	37	36	37	38	37	36	36	35	35	35	35	35	35	36	35	35	35	37	37	35	35	34	34	35	35	35				35.7	
	MIN	37	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	35	35				35.0	
PLOT #2																																		
1 INCH	MAX	29	29	30	30	37	36	31	29	30	30	29	29	29	29	30	30	29	29	31	32	29	30	30	30	30	30	35	35				30.6	
	MIN	26	26	29	29	30	31	24	24	27	29	29	29	28	29	29	29	28	28	29	29	29	29	29	29	29	29	30	33				28.6	
2 INCHES	MAX	29	29	30	30	36	36	31	29	29	30	29	29	29	29	30	30	29	29	31	32	29	30	29	30	30	30	35	35				30.5	
	MIN	26	26	29	29	30	31	24	24	27	29	29	29	29	28	29	29	28	28	29	29	29	29	29	29	29	29	30	33				28.6	
4 INCHES	MAX	29	29	30	30	32	33	31	29	29	29	29	29	29	29	30	30	29	29	31	32	29	30	30	30	30	30	34	34				30.2	
	MIN	27	27	29	29	30	31	27	26	28	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	30	33				28.9	
8 INCHES	MAX	30	30	30	30	33	33	32	30	30	30	30	30	30	31	31	30	30	30	32	33	30	31	30	30	30	30	34	33				30.9	
	MIN	30	30	30	30	30	31	28	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	33			30.1	

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Elektronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

SNOWFALL AND SNOW ON GROUND

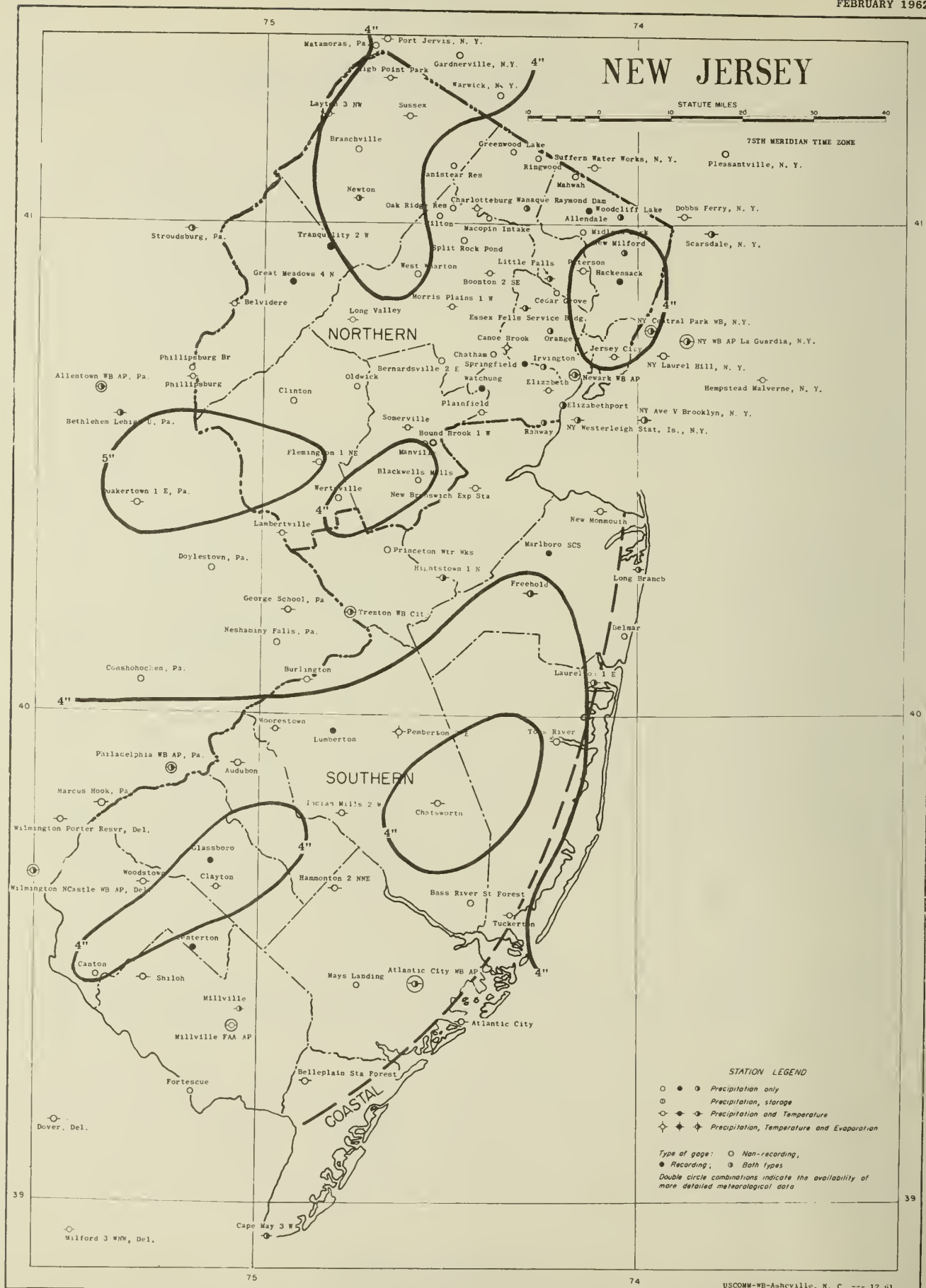
NEW JERSEY
FEBRUARY 1962

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	SNOWFALL SN ON GNO WTR EQUIV	1.2 2 .1	.8 2 .2	T 2 .2	T					T T	T				2.4 2 .2	T	.2	T		T		T				T	T						
BASS RIVER ST FOREST	SNOWFALL SN ON GNO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BELVIOERE	SNOWFALL SN ON GNO	1.5 2	1.0 2	T				T		3.5 4	.5 4	4	4	3	3.5 5	4	.1 4	T 3	3	.5 4	T 3	T 3	1.0 4	3	.2 3	3	2	T 1	1				
CHARLOTTEBURG	SNOWFALL SN ON GNO	1.0 1	1.0 2	1						5.0 5	5	4	3	3	3.0 6	3.0 8	1.0 9	8	1.0 8	.5 8	8	1.0 9	8	1.5 7	6	5	5	4					
CLAYTON	SNOWFALL SN ON GNO	.2 T	1.0 1							3.0 3	T 3	3	1	T	4.0 4	3	T T		T T		T T	T T											
FLEMINGTON 1 NE	SNOWFALL SN ON GNO	2.5 3	1.5 2					.7 1		3.0 3	3.0 6	6	5	4	3.5 6	4	.5 4	.5 4	3	1.0 4	3	.5 4	2.0 4	3	2	1	T	T	T				
FREEHOLD	SNOWFALL SN ON GNO	.8 1	.3 1					.3		2.0 2	1.0 3	3	2	1	3.5 4	3	.5 4	2	2	T 1	T 1	T 1	T T	.5 T									
HIGHTSTOWN 1 N	SNOWFALL SN ON GNO	2.0 2	.5 2	T				.5 T		3.5 3	3	3	2	3	3.0 4	3	T 3	2	2	.5 2	2	2	1.0 2	1	T								
INOIAN MILLS 2 W	SNOWFALL SN ON GNO	1.5 1	.2 T						T	2.5 2	.5 2	2	2	1	3.2 2	1	.4 T	T T	T T		T T	T T	.1 T										
LAMBERTVILLE	SNOWFALL SN ON GNO	1.0 1	T T					T		3.0 3	.5 3	3	3	2	3.0 4	3	.5 3	3	2	T 1	T 1	T 1	.5 T	T T	T T								
LAYTON 3 NW	SNOWFALL SN ON GNO	1.4 1																															
LITTLE FALLS	SNOWFALL SN ON GNO	1.2 1	.5 2	.4 2						5.0 5	.1 5	4	4	3	3.0 5	2.0 6	1.0 6	5	1.0 6	.3 5	5	1.2 6	5	4	4	2	2	1					
LONG BRANCH	SNOWFALL SN ON GNO	T	3.3 3	T 1	T			.1		3.0 3	.3 3	3	3	3	3.0 3	T 3	T 2	2	1	T T	T T	1.0 1	T T										
LONG VALLEY	SNOWFALL SN ON GNO	T	2.5 3	.2 2	T			T		3.1 3	.6 4	4	3	3	4.0 4	T 4	.5 5	.1 5	4	.8 5	T 4	.4 5	.6 5	T 5	T 5	5	4	3	3				
MAYS LANDING	SNOWFALL SN ON GNO	1.5 1	.2 2	1						1.5 1	1	T			3.0 3	1	T																
MILLVILLE	SNOWFALL SN ON GNO	-	1.5 -	-	-	-	-	-	-	-	-	-	-	-	3.5 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GNO	T	1.0 1	T 1					T	2.0 1	T 1	T T			3.0 3	T T	.6 1			T T	T T	1.4 T											
MOORESTOWN	SNOWFALL SN ON GNO	1.5 2	1.0 3	.1 1						4.0 4	3	3	2	4	4.0 5	2	2	.2 1			T		1.0 1										
MORRIS PLAINS	SNOWFALL SN ON GNO	-	1.0 -	1.0 -	T	-	-	-	-	6.0 -	-	-	-	-	3.5 -	.5 -	-	1.0 -	-	1.0 -	1.0 -	-	1.5 -	T	T	T	-	-	-	-	-	-	-
NEWARK WB AIRPORT	SNOWFALL SN ON GNO WTR EQUIV	T	2.4 1	1.0 2 .2	1					3.9 .4	.2 .3	2	2	1	3.0 .2	T 1	1.0 .5	1		.4 T	T	1.0 T	.2 T	T	T	T	T						
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GNO	1.0 1	.5 T					T T		3.0 3	1.0 4	4	4	3	3.5 6	.5 4	4	4	.3 3	T 3	.5 3	1.0 3	T 2	T	T								
NEWTON	SNOWFALL SN ON GNO	1.0 1	1.0 2	T 1						4.0 4	4	3	3	3	3.0 6	1.0 4	T 3	3	.5 3	.3 2	1.3 3	2	1.0 3	3	3	3	2						
PATERSON	SNOWFALL SN ON GNO	.8 1	.5 1	.1 1	T					4.2 4	3	2	1	2	2.8 4	1.6 6	5	4	3	.9 4	.3 4	1.2 3	.2 2	1									
PEMBERTON 3 E	SNOWFALL SN ON GNO	1.0 1	.2 1							1.3 1	2.0 1	1	1	1	3.0 1	.2 1																	
PHILLIPSBURG	SNOWFALL SN ON GNO	3.0 3	T							1.0 1	3.0 4	3	2	1	5.0 5	3	T																
PLAINFIELD	SNOWFALL SN ON GNO	T	2.0 2	T 2						* 4	4.0 3	2	2	2	3.2 5	.8 3	2	2	.5 1	T	1.0 1												
RAHWAY	SNOWFALL SN ON GNO	T	.6 1	T						3.6 4	2	1	1	T	3.3 3	1.3 2	3	2	2	3	T	1.1 1	2.3 3	1									
SOMERVILLE	SNOWFALL SN ON GNO	1.5 2	1.0 1				T			3.5 4	.5 3	-	-	-	4.0 5	.5 4	-	-	.2 3	-	.5 -												
TRENTON WB CITY	SNOWFALL SN ON GNO	.1 1	.7 1	.7 1	1			1.2 1	T	2.8 T	2	2	2	1	3.1 4	.4 2	1	1	T	T	T	2.2 T	T	1									
WANAQUE RAYMOND OAM	SNOWFALL SN ON GNO	.8 1	1.5 2	.5 2	T					5.0 5	5	5	4	3	3.0 6	2.0 8	7	1.0 7	7	.8 6	1.0 7	1.3 7	8	8	5	5	4	4	3				

See reference notes following Station Index

TOTAL PRECIPITATION

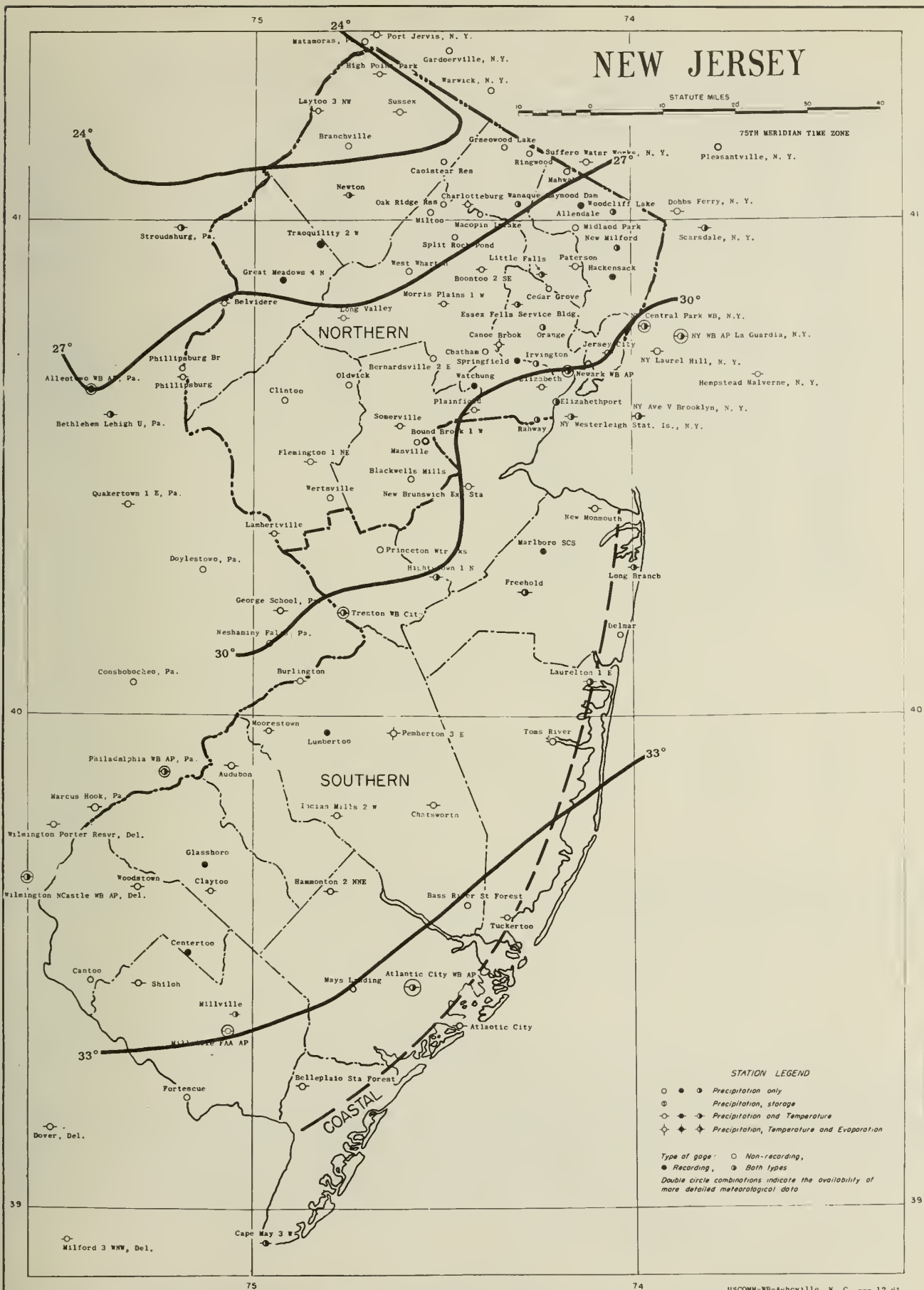
NEW JERSEY
FEBRUARY 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
FEBRUARY 1962



Isoles are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

NEW JERSEY
FEBRUARY 1962

STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY W8 AR	0311	ATLANTIC	1	39 27	74 35	58	MIO	MIO			C H J	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 27	74 26	10	MIO	MIO			C	J. STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11R	11R			H	IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20		9A			H	N.J. FORESTRY SERVICE
BELLERLAIN STA FOREST	0650	CAPE MAY	1	39 15	74 52	30	5R	5R				BELLERLAIN STATE FOREST
BEHAR	0721	MONMOUTH	1	40 10	74 02	19		8A				BEHAR WATER WORKS
BELVOERE	0729	WARREN	2	40 50	75 05	275		5R			H	CLEMENT HAUPF
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240		7A				BERNARDS WATER COMPANY
BLACKWELLS WILLS	0847	SOMERSET	10	40 29	74 35	27		7A				HENRY W. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BROOM BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20		8A				AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580		7A				ALBERT M. DAVENPORT
BURLINGTON	1221	BURLINGTON	2	40 04	74 53	12	6R					RUBLIC SVCS. CO. & G. CO.
CANISTEER RESERVOIR	1327	SUSSEX	8	41 07	74 35	1040		5R				NEVADE WATER OCEANMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A		9A			COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20		9A				GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5R		5R		C	N.WEST MAGNESITE CO.
CEGAR GROVE	1472	ESSEX	8	40 52	74 13	400		8A				J. A. PLUMBETT
CERTERTON	1512	SALEM	6	39 31	75 10	80			C			JOHN MORRIS UNL.
CHARLOTTEBURG	1582	RASSAIC	8	41 03	74 26	760	7A	7A			H	NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD R. MOLITOR
CHRYSTWORTH	1598	BURLINGTON	1	39 49	74 32	100	5R	5R				EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6R		6R		H	HARRY R. CAMBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300		6P				L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5R	5P				UNION CO. RARE COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MIO				C	SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A					C BORDUGH ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P	5R			H	ORHALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5		7A				JOHN LOPER
FREEMOUL	3181	MONMOUTH	10	40 15	74 17	194	6P	6R			C H	FRANK J. MOREAU
GLASSBORO	3241	GLOUCESTER	2	39 42	75 07	139						C GLASSBORO STATE COLLEGE
GREAT MEADOWS 4 N	3416	WARREN	2	40 56	74 55	540						C GAMMA CHEMICAL CORP.
GREENWOOD LAKE	3516	RASSAIC	8	41 09	74 20	660		7A				C GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10						C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3682	ATLANTIC	7	39 39	74 48	85	8A	8A				W. HUBBARD BARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6R	6R			C H	JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7R			H	EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120		MIO				C JOINT MEETING GARAGE
JERSEY CITY	4339	HUONON	1	40 44	74 04	135	MIO	MIO				JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6R			H	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MIO	MIO			C H	GEORGE G. WADWILL
LAYTON 3 NW	4735	SUSSEX	2	41 15	74 51	480		6P				A. M. DEQUE
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A			C M	RASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MIO	MIO				C H J WILLIAM O. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 48	74 46	660	6P	6P			H	ARTHUR BAREHAM
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25						C JAMES LAWTON
MACORIN INTAKE	5071	PASSAIC	8	41 01	74 26	584		7A				INACTIVE 1/61
MAHWAH	5104	BERGEN	8	41 06	74 10	253		6R				ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10	40 33	74 34	50		8A				JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120			C			GERON BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10		9A			H	COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MIO					C RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MIO			C H	L. J. GALLAHAM
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MIO	MIO				H FEO. AVIATION AGENCY
HILLTON	5597	MORRIS	8	41 01	74 32	950						JERSEY CITY WATER WKS.
MOORESTOWN	5726	BURLINGTON	2	39 58	74 58	55	MIO	8A			H	H. J. WILLARD
MORRIS PLAINS	5767	MORRIS	8	40 50	74 30	500	8A	8A			H	JAMES C. LONG
NEWARK W8 AIRPORT	6026	ESSEX	1	40 42	74 10	11	MIO	MIO			C H J	U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5R	5P			GH	ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12		MIO				C HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4R			C	ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C H	NEWTON WTR. & SWR. COMM.
OK RIDGE RESERVOIR	6400	RASSAIC	8	41 02	74 30	870		8A				NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A				DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140		MIO				COUNTY ENGINEER
RATERSON	6775	RASSAIC	8	40 54	74 09	100	8A	8A			C	R. J. DEL VECCHIO
REHOBOTH 3 E	6863	BURLINGTON	2	39 58	74 38	80	5R	5R			H	PHILLIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P			H	SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196		9A				H JOINT TOLL BRIDGE COMM.
PLAINFIELD	7070	UNION	10	40 36	74 25	120	8P	8P			H	MRS. VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60		MIO				PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20		MIO			C H	H. BARNAT VLY. SNG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305		10A				NO. JERSEY WTR. SURREY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	5R	5P				EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6R	6P			H	W. E. HAYER
SPLIT ROCK ROAD	8402	MORRIS	8	40 58	74 28	800		10A				JERSEY CITY O. P. W.
SRRINGFIELD	8423	UNION	1	40 43	74 18							C N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A			C	BRICE B. STANTON
TOMS PIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P				TOMS RIVER WATER CO.
TRACHTON W8 CITY	8883	MERCER	2	40 13	74 46	56	MIO	MIO			C H J	U.S. WEATHER BUREAU
TUCKERTON	8890	OCEAN	1	39 36	74 20	10	6P	6P				REV. WALTER T. GANDER
WANAUQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320		8A				C WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-					C	BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160		7A				ROBERT M. MANNERS
WEST WHARTON	9508	MORRIS	8	40 54	74 34	680						N. J. POWER & LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103		MIO				C HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5R	5R				CREAM VALLEY DAIRY
RUBLICATION ENDED												
TRANQUILITY 2 W	8858	WARREN	2	40 57	74 50	551						EFFECTIVE 10/61

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUONON; 6-AURICE; 7-HULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

551.05
UNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

MARCH 1962
Volume 67 No. 3



ASHEVILLE: 1962

THE LIBRARY OF THE
MAY 16 1962
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 81° on the 30th at Burlington

Lowest Temperature: -4° on the 3rd at High Point Park

Greatest Total Precipitation: 5.83 inches at Tuckerton

Least Total Precipitation: 1.57 inches at Newton

Greatest One-Day Precipitation: 2.53 inches on the 12th at Midland Park

Greatest Reported Total Snowfall: 10.0 inches at Flemington 1 NE

Greatest Reported Depth of Snow on Ground: 9 inches on the 7+ at High Point Park

SPECIAL WEATHER SUMMARY

GREAT ATLANTIC COAST STORM, MARCH 6-8

A slow moving late winter coastal storm combined with spring tides (maximum range) wrought tremendous destruction to coastal installations from southern New England to Florida on March 6-9. This storm, which consisted of a series of LOWS, has been described as one of the most damaging extra-tropical cyclones to hit the United States coastline. Although gale-force winds, and at times hurricane-force winds, accompanied the storm, this is not unusual for a North Atlantic winter extratropical cyclone. It was the long fetch and the persistence of these strong northeasterly winds which raised the spring tides to near-record levels. The tidal flooding which attended this storm was in many ways more disastrous than that which accompanies hurricanes. The storm surge in tropical cyclones generally recedes rapidly after one or two high tides, but the surge accompanying this storm occurred in many locations on four and five successive high tides. In addition to this, many places reported run-up of waves 20 to 30 feet high.

This successive onslaught of wave and tidal action for over 2 days weakened and undermined even the more permanent shoreline structures, and after a period of time some suffered structural damage and collapsed. Needless to say many of the less sturdy summer cottages on the exposed coast were washed away completely.

The erosive effect of wave and tidal action changed the face of the immediate coastline, and on many of the well-known beaches the most severe loss was often the sand of the beach itself. In addition many new channels and inlets were cut in the shoreline. It may

be many months before new surveys of the topography and hydrography of the area reveal all the numerous changes.

In New Jersey, as in other states along the coast, the major damage was restricted to property facing the beach itself. The entire coastline and even the Delaware Bay area suffered from the high tides. Highways along the coast were cut in many places or buried under several feet of sand. Thousands of homes along the coast were damaged or destroyed. One of the hardest hit areas was Long Beach Island. At Atlantic City the major damage was the cutting of the famed Steel Pier. The storm swept away the quarter-mile section of the pier which connects the auditorium at the end of the pier with the mainland boardwalk. A Navy destroyer, the MONSSEN, was beached about a half mile north of Beach Haven after breaking its tow. The destroyer was unmanned and was being towed to Philadelphia from Bayonne Navy Yard. Another destroyer, the PENOBSCOT, ran aground a little farther south.

The storm did an estimated \$80 million damage in New Jersey. Deaths mounted to 15, with 6 other persons, including 5 aboard a fishing trawler, missing and presumed dead. Agricultural losses from the storm were chiefly due to flooding of around 1,000 acres in Cumberland County, along Delaware Bay.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office, % General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
MARCH 1962

Station	Temperature											Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days					
										90° or Above	32° or Below	6° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More			
NORTHERN																										
BELVIDERE	49.9	27.2	38.6	- .7	76	30	7	3	813	0	2	23	0	2.50	- 1.58	1.52	12	2.5	2	6	3	2	1			
BOONTON 2 SE	46.9	29.0	38.0	.7	75	31	8	3+	831	0	3	18	0	3.03	- .83	1.37	13				4	3	1			
CANOE BROOK	47.9	26.3	37.1	- .5	78	31	9	3+	856	0	3	27	0	4.21	- .09	1.51	13	4.0	2	7	4	3	2			
CHARLOTTEBURG	45.3	25.8	35.6	- 1.0	74	31	5	2	905	0	4	26	0	3.12	- 1.35	1.22	13	2.8	6	7	4	3	1			
ELIZABETH	51.9	30.9	41.4	.5	79	30	10	3	724	0	1	16	0	3.68	- .81	1.92	12	3.3	2	6	5	3	1			
ESSEX FELS SERV BLDG	47.7	28.1	37.9		78	31	8	3	834	0	3	22	0	3.81		1.70	13				3	3	2			
FLEMINGTON 1 NE	50.5	27.8	39.2	- .9	79	30	8	3	792	0	1	20	0	2.95	- 1.04	1.45	12	10.0	7	6	4	3	1			
HIGH POINT PARK	42.5	22.0	32.3		74	31	4	3	1010	0	6	29	3			3.0		9	7+							
JERSEY CITY	47.3	33.4	40.4	.6	76	30	10	3+	755	0	3	11	0	3.76	- .27	2.28	12	T	0		4	2	1			
LAMBERTVILLE	50.8	29.1	40.0	.2	77	30	10	3+	768	0	1	20	0	2.89	- 1.17	1.35	12	5.5	4	6	4	3	1			
LITTLE FALLS	50.2	29.8	40.0	.7	77	31	8	3	769	0	2	18	0	3.76	- .54	1.55	13	.5	1	1	4	3	2			
LONG VALLEY	49.2	26.9	38.1		76	30	7	3+	829	0	2	26	0	3.21	- 1.07	1.65	12	4.2	4	6	4	3	1			
MORRIS PLAINS	47.7	28.2	38.0		78	31	7	3	831	0	3	22	0	3.37		1.62	13	3.2			4	3	1			
NEWARK WB AIRPORT	50.8	33.2	42.0	- 1.5	80	30	11	3	705	0	1	12	0	3.35	- .74	2.35	12	1.5	T	10+	4	1	1			
NEWTON	46.2	25.5	35.9	- .5	77	31	6	3	893	0	3	25	0	1.57	- 1.88	.50	13	1.5	1	10+	4	1	0			
PATERSON	48.9	32.5	40.7	1.2	79	31	10	3	748	0	3	10	0	3.94	- .51	1.92	13	T	0		3	3	2			
PHILLIPSBURG	51.5	29.2	40.4	1.2	78	30	9	3	756	0	1	20	0	2.37	- 1.72	1.35	12	.0	0		4	1	1			
PLAINFIELD	51.5	29.8	40.7	.8	80	30	10	3	748	0	1	20	0	4.33	.02	2.30	12	4.5			4	2	2			
SOMERVILLE	50.2	28.6	39.4	- .1	78	30	9	3	785	0	2	22	0	2.89	- 1.08	1.54	12	2.5	3	6	4	2	1			
SUSSEX	46.5	24.8	35.7	- 1.3	77	31	6	4+	902	0	3	29	0	1.71	- 1.69	.69	13				4	1	0			
DIVISION			38.6	.0											3.18	-.92										
SOUTHERN																										
ATLANTIC CITY WB AP	50.2	31.4	40.8	- .3	74	30	12	4+	743	0	1	18	0	5.42	1.51	2.22	6	3.9	2	7	6	3	3			
AUDUBON	51.5	31.6	41.6		79	30	11	2	720	0	1	15	0	4.40		1.35	12	8.0	8	6	5	3	3			
BELLEPLAIN STA FOREST	52.0	29.0	40.5		78	30	10	3	751	0	1	23	0	3.22	- 1.20	1.08	12	T	0		5	3	2			
BURLINGTON	52.4	31.7	42.1	- .1	81	30	12	3	705	0	1	13	0	3.39	- .95	1.50	12	4.0			4	3	1			
CHATSWORTH	50.9	28.6	39.8		77	30	10	4+	774	0	1	20	0	3.60		1.90	12		0		4	3	1			
CLAYTON	49.5	30.1	39.8		77	30	11	4+	774	0	1	21	0	4.05		1.27	21	4.5	5	7+	4	4	1			
FREEHOLD	49.7	30.3	40.0	.0	78	30	9	3	768	0	1	22	0	3.89	- .35	2.29	12	6.8	6	7			1			
HAMMONTON 2 NNE	50.1	30.7	40.4	- 1.5	77	31	13	4	760	0	0	18	0	3.21	- 1.05	.97	22		4	7	5	3	0			
HIGHTSTOWN 1 N	50.5	30.4	40.5	.3	80	30	10	3	754	0	1	18	0	3.08	- .74	1.35	12	7.5	6	6	5	3	1			
INDIAN MILLS 2 W	50.4	28.8	39.6	- 1.1	78	30	6	4	781	0	1	21	0	4.09	- .19	1.69	12	5.3	4	6	4	3	3			
MILLVILLE	50.1	31.8M	41.0M		76	31	12	2	723	0	1	14	0	4.31		1.14	21				5	4	3			
MILLVILLE FAA AIRPORT	50.6	30.2	40.4		77	30	10	4	754	0	1	22	0	4.59		1.25	21	4.0	4	7	6	4	3			
MOORESTOWN	50.8	30.7	40.8	- .1	78	30	12	3+	744	0	1	18	0	3.23	- .58	1.10	12	8.0	4	7	5	2	2			
NEW BRUNSWICK EXP STA	49.8	29.7	39.8	- .4	77	30	8	3	775	0	1	19	0	3.19	- .56	1.77	12	5.0	4	6	4	3	1			
NEW MONMOUTH	50.1	31.5	40.8		80	30	11	3	745	0	1	17	0	4.16		2.16	12	3.5	3	6	4	3	2			
PEMBERTON 3 E	51.3	28.4	39.9	- 1.7	79	30	9	3	770	0	1	21	0	4.23	- .38	1.58	12	7.0	6	6	6	3	2			
SHILOH	51.0	31.3	41.2	- 1.0	76	30	11	2	734	0	1	17	0	3.65	- .11	1.91	12				3	2	2			
TOMS RIVER	50.7	30.1	40.4		79	30	9	4	756	0	2	20	0	5.00		2.40	12				6	3	2			
TRENTON WB CITY	49.7	33.1	41.4	.7	78	30	11	3	722	0	1	12	0	3.65	- .19	1.44	12	4.9	4	7	5	3	1			
TUCKERTON	49.9	30.2	40.1		67	30	9	3	766	0	0	18	0	5.83		1.25	12	1.0	0		8	5	2			
WOODSTOWN	51.5	30.5	41.0		78	30	12	3+	736	0	1	19	0	3.30		1.37	12	5.0	2	6	4	3	2			
DIVISION			40.6	-.3											3.98	- .10										
COASTAL																										
ATLANTIC CITY	45.6	34.5	40.1	- 1.4	55	28+	19	2	768	0	0	6	0	4.56	1.03	1.74	6				6	3	2			
CAPE MAY 3 W	47.8M	34.7M	41.3M		62	30	15	2	730	0	1	9	0	3.51		1.01	12	T	0		7	3	1			
LONG BRANCH	48.3	32.3	40.3	.5	75	30	12	3	757	0	1	14	0	4.49	.12	2.11	12	5.5	5	6	5	3	2			
DIVISION			40.6	.1											4.19	.27										

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
ATLANTIC CITY WB AIRPORT	W	18	12.0	44++	E	6	71	73	47	58	3	3	3	0	2	1	12	59	4.8	
LONG BRANCH	NW	14	13.2	68	NE	6	-	64	53k	57	3	2	2	1	1	1	10	70	4.5	
NEWARK WB AIRPORT	NW	15	12.8	37++	ENE	6	58	61	44	47	4	3	3	0	0	1	11	-	4.0	
TRENTON WB CITY & 12:00 Noon	NW	-	11.8	42	NE	6	-	-	-	-	3	2	2	2	1	0	10	71	4.6	

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
MARCH 1962

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	5.42					T	2.22				.16	.02	.14	1.51	T					T	.06	1.08	.02									.21
ATLANTIC CITY	4.56						1.74				.14	.01	.08	1.14							.13	.97										.33
AUGUBON	4.40					T	1.09				.06	.37	T	1.35								1.18										.35
BASS RIVER ST FOREST	5.22						.8	1.91													.06		1.09									.50
BELLEPLAIN STA FOREST	3.22						.69	.06		T		.17	1.08								.14	1.03	.05									
BELVIDERE	2.50					T	.25				.04	1.52										.57	.09									.03
BERNARDSVILLE 2 E	4.37						.36	.61			.04	.87	1.62										.87									
BLACKWELLS HILLS	2.80	.10					.23	.46			.52	.69	.04										.76									
BOONTON 2 SE	3.03						.17	T			.74	T	1.37	T	T					T		.70										
BOUND BROOK 1 W	3.05	.05					.29	.12			T	1.74	.07									.78										
BRANCHVILLE	2.34	.04					.17				.05	.66	.92	.02									.48									T
BURLINGTON	3.39						.75			.02	.18	1.90										.92	.02									
CANISTEAR RESERVOIR	2.25	T					.15	T			.03	.66	.70	T								T	.71									
CANOE BROOK	4.21	.03					.15	.09			.03	1.49	1.51										.91									
CANTON	3.59						.36	.34			.05	1.70	.05								.04	.22	.83									
CAPE MAY 3 W	3.51	.03					.52	.26	.05	.23	1.01	.07									.11	.82	.41									
CEGAR GROVE	3.96	.04					.04	.06				1.25	2.02										.55									
CHARLOTTEBURG	3.12	.06					.23	.04			.01	.75	1.22	T					T			.81										
CHATAM	4.12	T					.20	.02			.02	1.14	1.79										.95									
CHATSWORTH	3.60						.60	.09			.18	1.90										.83										
CLAYTON	4.05					T	.65	.04			.07	.95	.97	T								1.27	.02									.05
CLINTON	2.83						.30	.02		.05	.06	1.40	.02									.85	.18									
ELIZABETH	3.68					.01	.56	.50			.05	1.92	.01										.48	.15								
ELIZABETHPORT	3.46					.10	.29			.06	.01	.03	1.80									.81										.36
ESSEX FIELDS SERV BLDG	3.81						.8	.06				1.30	1.70										.75									
FLEMINGTON 1 NE	2.95	T				T	.65	.02			.07	1.45	.02		T	T	T					.54	.20									T
FORTESCUE	3.38						.32	.37			.13	.96									.27	.20	1.13									
FREEHOLD	3.89					T	.8	.60			.10	2.29										.58	.32									
GREENWOOD LAKE	2.35	.06					.18				.01	.60	1.00	T						T			.50									
HAMMONTON 2 NNE	3.21						.23	.33			.09	.85	.69								.03	.02	.97									
HIGH POINT PARK	-						.07							.40	T								.29									
HIGHTSTOWN 1 N	3.08					T	.90	T			.12	1.35		T	T							.53	.18									
INDIAN HILLS 2 W	4.09					T	1.20	.03		.03	.10	1.69										1.00	.04									
IRVINGTON	3.64					.03	.37			.04	.01	.02	2.21									.52										.44
JERSEY CITY	3.76					T	.21			T	T	2.28										.80										.47
LAMBERTVILLE	2.89					T	.65			T	.13	1.35											.72	.04								
LITTLE FALLS	3.76	.03					.15	.01			T	1.39	1.55										.63									
LONG BRANCH	4.49					T	1.15			.14	T	.05	2.11								.01	.78	.02									.23
LONG VALLEY	3.21					.03	.74			T	.01	1.65	T							.01		.61	.13									.03
MAHWAH	2.47	.09					.03					.58	1.11							T			.66									
MANVILLE	2.24	.01					.12	.11			.05	.40	.70										.85									
MAYS LANDING	4.15	.02					.57	.97			.17	1.00	.32								.09	.04	.97									
MIDLAND PARK	3.55					.07	.07			T	T	2.53											.64	.01								.23
MILLVILLE	4.31						1.13		.09	.04	.16	1.01										.06	1.14									.68
MILLVILLE FAA AIRPORT	4.59					.01	1.10	T		.13	.05	.16	1.08	.03						.02	.07	1.25	.01									.68
MILTON	1.64						.12	.05			.04	.33	.56	.04						.03			.47									
MOORESTOWN	3.23	.01					.26	.41			.05	1.10	.27								.01	.03	1.09									
MORRIS PLAINS	3.37	.03					.22	.06			.02	.95	1.42	T	T							T	.67									
NEWARK WB AIRPORT	3.35					T	.23			.02	.01	.02	2.35		T							.40	T									.32
NEW BRUNSWICK EXP STA	3.19						.55				.10	1.77	T									.77										
NEW MILFORD	2.44					.06	.06					1.66										.50										.16
NEW MONMOUTH	4.16						1.06				.09	2.16										.31	.54									
NEWTON	1.57	T					.10	T			.02	.47	.50										.48									
OAK RIDGE RESERVOIR	2.13	.03					.21	.04			.04	.72	.54	.03									.52									
OLWICK	3.19	.03					.30	.23			.05	.95	.84										.79									
ORANGE	3.95						.26				.32	2.40	.40									.09	.48									
PATERSON	3.94	.04					.09	.04			.09	1.16	1.92	.02									.58									
PENBERTON 3 E	4.23						1.30	.30			.12	1.58									.03	.69	.21									
PHILLIPSBURG	2.37						.22	.05				1.35	T									.45	.30									
PHILLIPSBURG BRIDGE	2.33	T					.04	.07				.95	.55	.04									.68									
PLAINFIELD	4.33					.03	.40				.08	2.30										1.04										
PRINCETON WATER WORKS	3.89					T	1.13			.02		.06	1.45									.71										.52
RAHWAY	3.30					.05	.23			T		1.90										.77										.35
RINGWOOD	2.55																															

DAILY TEMPERATURES

NEW JERSEY
MARCH 1962

Station		Day Of Month																															Average
		1	2	3	4	5	8	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	42	32	36	39	39	38	38	40	40	49	49	59	55	49	50	47	47	48	54	50	47	57	55	55	59	57	54	64	67	74	67	50.2
	MIN	18	12	13	12	24	32	30	29	30	30	30	41	38	35	34	30	32	28	24	38	37	35	32	29	37	35	35	32	40	49	53	31.4
ATLANTIC CITY	MAX	40	33	36	39	40	37	36	37	39	42	42	53	51	46	49	47	46	48	51	47	44	47	48	52	55	49	55	49	52	54	45.6	
	MIN	22	19	20	20	29	33	34	34	34	34	34	40	37	36	34	33	34	32	34	41	39	36	36	34	36	38	41	37	44	46	48	34.5
AUDUBON	MAX	42	31	36	40	39	37	40	42	41	49	48	57	54	50	52	48	42	51	56	51	49	56	51	58	59	60	61	65	76	79	75	51.5
	MIN	16	11	13	17	20	32	30	27	23	32	30	37	37	35	36	28	31	30	27	40	35	36	36	35	37	33	38	33	37	52	55	31.6
BELLEPLAIN STA FOREST	MAX	45	32	36	40	41	39	39	40	42	50	41	59	58	50	52	50	49	51	55	56	49	56	57	58	62	58	58	65	73	78	74	52.0
	MIN	30	11	10	14	15	33	31	26	31	33	24	40	32	30	29	25	31	22	18	40	32	35	25	25	32	27	27	30	33	51	57	29.0
BELVIOERE	MAX	38	27	31	35	35	34	40	44	41	50	50	46	51	48	48	46	44	47	52	53	50	59	57	55	58	61	59	65	74	76	72	49.9
	MIN	20	8	7	10	24	30	28	17	18	27	24	32	30	30	32	26	33	28	23	33	35	31	33	26	33	30	35	26	28	41	44	27.2
BOONTON 2 SE	MAX	40	29	26	30	35	37	35	39	42	38	48	48	50	49	45	47	45	46	45	50	51	42	54	54	52	55	58	56	63	71	75	46.9
	MIN	22	8	8	12	16	27	31	27	21	24	25	33	34	35	36	33	32	30	26	34	32	33	34	32	35	32	34	35	27	42	48	29.0
BURLINGTON	MAX	42	29	36	39	40	40	39	40	40	48	51	55	56	56	58	48	47	49	56	54	50	55	56	56	60	61	59	66	79	81	77	52.4
	MIN	24	13	12	16	26	30	32	27	25	32	33	33	37	36	36	33	28	25	25	38	36	36	36	35	37	34	35	34	38	49	53	31.7
CANOE BROOK	MAX	39	28	27	31	36	38	36	39	43	42	49	47	47	51	46	47	47	47	47	52	53	43	53	56	53	57	59	55	63	75	78	47.9
	MIN	22	9	9	13	17	27	23	17	18	28	30	33	30	30	32	26	31	29	21	30	29	32	26	25	35	25	32	26	26	40	45	26.3
CAPE MAY 3 W	MAX	43	34	32	33	41	44	39	41	41	41	46	56	50	49	49	49	46	46	51	51	52	49	50	51	55	55	54	57	58	62	58	47.8
	MIN	31	15	18	21	26	32	27	31	33	35	33	40	38	36	37	35	36	31	41	38	37	38	38	42	41	37	39	42	47	47	34.7	
CHARLOTTEBURG	MAX	39	22	20	30	32	35	35	40	42	37	49	45	42	47	43	44	43	45	43	50	53	40	54	51	50	54	58	53	63	72	74	45.3
	MIN	18	5	6	7	11	23	29	21	12	14	21	29	33	33	34	30	30	27	26	28	28	29	32	29	31	31	32	31	29	47	44	25.8
CHATSWORTH	MAX	41	31	37	40	39	38	37	39	38	48	46	57	56	50	50	48	48	50	55	51	48	55	57	54	60	60	57	63	74	77	74	50.9
	MIN	27	10	10	10	19	27	26	22	21	31	26	37	34	32	33	28	33	28	19	38	31	33	27	34	35	31	38	28	30	42	48	28.6
CLAYTON	MAX	41	25	35	39	39	36	36	37	41	40	47	49	51	51	50	45	46	47	54	49	47	54	54	54	60	60	59	63	74	77	74	49.5
	MIN	11	12	13	11	28	31	27	25	32	31	31	40	31	31	29	31	32	28	26	26	36	26	32	33	34	35	37	32	35	55	50	30.1
ELIZABETH	MAX	39	29	34	38	41	39	39	45	42	51	50	48	54	48	52	52	50	51	56	55	47	55	59	55	60	63	59	67	75	79	77	51.9
	MIN	24	11	10	13	29	32	32	29	25	31	30	35	33	33	34	32	32	29	25	37	34	34	35	29	36	34	37	35	35	44	50	30.9
ESSEX FIELDS SERV BLDG	MAX	38	28	28	32	34	36	35	40	44	39	48	43	46	51	47	49	47	48	47	54	52	42	54	55	54	57	59	56	64	74	78	47.7
	MIN	23	9	8	14	16	28	31	23	22	26	25	33	34	31	34	28	32	26	24	33	30	32	30	25	34	29	33	29	34	45	49	28.1
FLEMINGTON 1 NE	MAX	40	27	33	36	40	36	39	44	38	51	47	46	52	50	47	48	47	49	55	55	50	57	55	54	58	59	58	65	75	79	76	50.5
	MIN	20	10	8	12	22	31	32	25	17	28	22	35	37	34	33	27	32	29	19	34	29	34	32	30	34	33	34	23	27	36	44	27.8
FREEHOLD	MAX	37	29	34	36	39	35	39	39	35	46	46	50	54	48	50	48	48	48	54	51	46	53	56	55	58	60	56	63	74	78	75	49.7
	MIN	24	10	9	10	28	31	30	27	23	30	30	34	37	32	32	29	32	29	30	39	34	32	31	28	33	32	36	32	35	48	53	30.3
HAMMONTON 2 NNE	MAX	43	33	33	35	38	38	34	37	44	42	47	52	59	55	51	51	48	47	49	56	55	48	55	56	56	60	59	57	64	74	77	50.1
	MIN	28	15	16	13	22	28	30	22	24	24	28	34	39	33	31	29	29	30	27	37	35	34	33	30	34	34	37	32	38	50	55	30.7
HIGH POINT PARK	MAX	35	19	20	24	31	29	28	35	36	34	46	40	38	44	39	41	39	40	45	51	57	35	51	48	46	53	53	54	61	70	74	42.5
	MIN	11	-3	-4	3	8	18	22	20	18	24	22	26	28	26	25	24	25	20	22	28	30	25	26	22	26	25	27	30	30	45	40	22.0
HIGHTSTOWN 1 N	MAX	38	28	33	36	40	36	39	39	37	48	43	51	52	52	49	49	48	48	54	54	47	56	58	56	58	62	58	66	76	80	75	50.5
	MIN	25	11	10	12	28	32	32	23	22	30	27	35	34	34	33	30	33	29	27	38	32	34	33	29	32	30	37	34	38	48	51	30.4
INOIAN MILLS 2 W	MAX	41	29	34	37	38	36	38	43	39	47	47	58	53	48	50	46	46	49	54	52	48	54	55	55	58	60	57	62	75	78	75	50.4
	MIN	23	10	11	6	17	31	30	24	19	31	23	36	33	32	34	26	32	30	21	38	31	34	28	27	34	30	36	27	34	52	53	28.8
JERSEY CITY	MAX	36	23	32	32	36	33	38	40	42	47	45	46	50	46	47	44	45	44	54	50	45	48	51	54	57	55	52	63	70	76	65	47.3
	MIN	13	10	10	14	28	30	31	29	30	42	32	34	38	39	38	35	35	32	34	41	33	33	39	35	36	40	36	40	47	51	54	33.4
LAMBERTVILLE	MAX	39	29	35	38	40	37	40	43	40	50	47	50	52	50	48	474																

DAILY TEMPERATURES

NEW JERSEY
MARCH 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOMERVILLE	MAX	38	28	32	35	40	36	40	44	40	50	46	46	52	48	48	48	48	48	53	54	48	56	57	54	58	60	57	64	74	78	75	50.2
	MIN	22	10	9	10	28	31	32	24	21	30	25	35	33	31	32	29	33	28	20	35	30	33	32	30	35	31	35	28	29	40	46	28.6
SUSSEX	MAX	39	27	28	30	34	35	34	41	45	38	48	50	43	46	43	44	42	45	44	54	51	39	57	53	50	52	58	55	63	75	77	46.5
	MIN	20	7	6	6	11	22	30	18	12	14	20	25	32	32	34	30	31	28	22	27	29	30	30	28	30	31	31	28	29	29	47	24.8
TOMS RIVER	MAX	32	31	34	37	40	34	37	40	40	46	44	53	55	56	49	55	48	48	54	52	50	54	56	57	60	58	59	63	74	79	76	50.7
	MIN	28	14	10	9	23	32	29	26	23	32	25	37	36	34	33	27	32	32	25	40	33	34	28	27	35	29	40	28	32	48	53	30.1
TRENTON W8 CITY	MAX	41	27	34	37	39	35	39	39	38	48	43	54	51	48	47	46	46	48	54	51	47	55	57	54	59	59	57	63	74	78	74	49.7
	MIN	14	12	11	15	30	32	33	30	29	30	32	36	38	36	36	32	34	32	33	40	37	36	37	34	36	38	38	42	50	56	33.1	
TUCKERTON	MAX	42	40	36	40	40	39	40	38	40	46	46	57	56	50	50	50	48	50	56	49	47	53	54	57	60	59	53	60	60	67	65	49.9
	MIN	28	11	9	10	18	30	31	28	25	33	25	38	37	34	31	29	42	30	21	40	33	35	30	26	36	33	38	30		47	51	30.2
WOOSTOWN	MAX	43	30	35	40	38	37	38	40	42	48	49	57	53	48	50	46	48	50	54	54	52	57	57	57	61	59	60	65	75	78	75	51.5
	MIN	27	12	12	14	19	32	29	24	24	32	27	38	36	34	33	31	32	30	24	39	37	34	32	31	35	32	33	29	33	49	52	30.5

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	33	32	31	28	28	28	28	29	29	36	35	36	40	36	41	42	42	42	44	44	41	46	48	47	46	50	42	51	52	55	57	39.9
	MIN	30	29	28	28	28	28	28	28	28	28	28	31	33	32	36	35	36	35	35	39	38	38	37	37	37	38	41	40	41	45	50	34.2
2 INCHES	MAX	33	32	31	28	28	28	28	28	28	35	34	36	39	36	41	42	41	42	43	44	40	45	46	45	45	48	48	50	51	54	56	39.3
	MIN	30	29	28	28	28	28	28	28	28	28	28	31	33	32	36	35	36	35	35	39	38	38	37	37	37	38	41	40	41	45	50	34.2
4 INCHES	MAX	33	33	33	29	29	29	29	29	29	32	32	34	37	36	41	40	40	40	41	42	40	42	44	43	43	45	45	47	48	50	52	38.1
	MIN	32	30	29	29	29	29	29	29	29	28	29	30	31	33	33	37	37	37	36	37	39	39	39	39	39	39	39	42	42	42	45	48
8 INCHES	MAX	35	35	34	30	30	30	30	29	30	31	31	33	35	35	42	39	39	39	40	40	40	41	42	41	42	43	44	44	45	48	51	37.6
	MIN	33	31	30	30	29	30	29	29	29	30	30	31	33	33	38	38	38	37	37	39	39	39	39	39	40	40	42	42	42	45	48	35.7
16 INCHES	MAX	36	36	36	32	31	32	31	31	31	31	31	33	33	34	42	39	39	39	39	39	40	40	40	41	40	41	42	42	43	45	47	37.2
	MIN	34	33	32	31	31	31	31	30	31	30	31	31	33	33	38	38	38	38	37	39	39	39	39	40	40	40	40	42	42	42	44	45
32 INCHES	MAX	37	38	38	34	33	34	34	33	33	33	33	33	33	34	34	42	39	39	39	39	39	40	40	40	40	41	41	41	42	43	44	37.7
	MIN	34	34	33	34	33	33	33	33	33	32	32	32	32	33	33	38	38	38	39	39	39	39	40	40	40	40	41	41	41	42	43	44
PLOT #2																																	
1 INCH	MAX	35	32	31	28	28	29	28	28	29	42	43	39	48	42	47	48	47	48	52	51	42	52	56	52	52	59	56	61	62	66	66	45.1
	MIN	30	28	24	21	28	28	28	28	28	28	29	32	32	30	38	34	34	34	33	39	36	34	34	34	34	35	39	36	38	45	51	33.0
2 INCHES	MAX	35	32	31	28	28	29	28	28	28	41	42	39	47	42	47	47	47	48	51	50	42	51	55	51	52	58	55	60	62	65	65	44.3
	MIN	30	28	25	23	28	28	28	28	28	28	29	32	32	30	38	34	34	34	33	39	36	34	34	34	34	35	39	36	38	45	51	33.0
4 INCHES	MAX	35	33	32	28	28	28	28	28	28	38	39	38	44	35	44	45	45	45	49	48	41	50	52	49	49	54	52	57	58	61	62	43.1
	MIN	31	29	28	27	28	28	28	28	28	28	30	32	32	31	40	35	35	35	34	40	37	35	36	36	36	36	40	38	40	47	52	34.1
8 INCHES	MAX	33	34	33	29	29	29	29	29	29	34	35	35	38	39	40	41	41	41	42	44	41	45	46	45	43	46	47	49	51	54	55	39.4
	MIN	32	30	29	29	29	29	29	29	28	28	28	31	33	33	33	40	37	37	37	36	40	40	36	38	39	39	39	43	42	43	47	50

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Elektronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

SNOWFALL AND SNOW ON GROUND

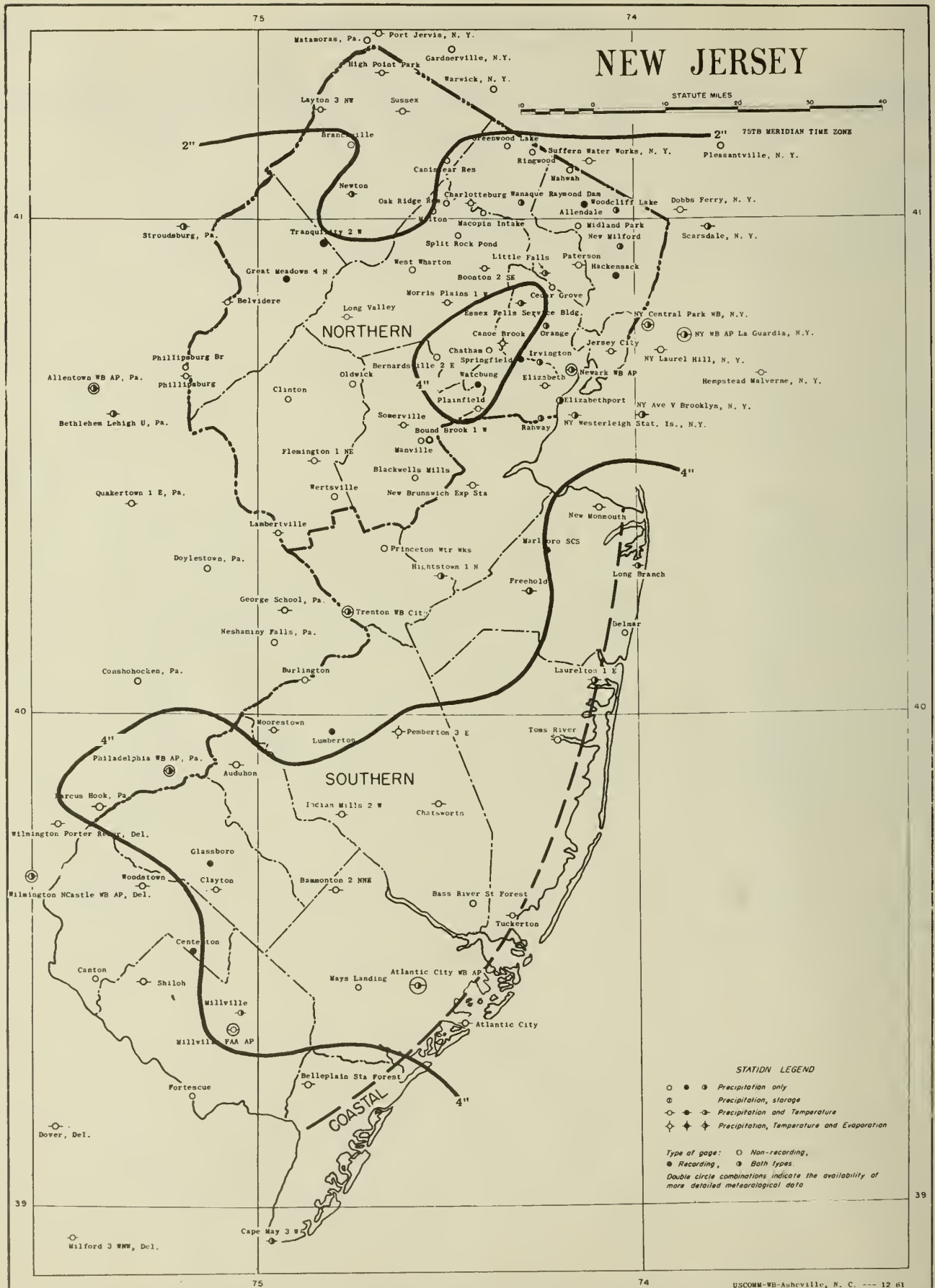
NEW JERSEY
MARCH 1962

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	SNOWFALL SN ON GND WTR EQUIV					T	3.6	2	T	.3	T																					
BELVIDERE	SNOWFALL SN ON GND	T	T	T		T	2.0	2	T		.5		T																			
CHARLOTTEBURG	SNOWFALL SN ON GND	4	4	4	4	4	1.0	1.0	5	5	.3	4	3	.5	2	1	1		T				T									
CLAYTON	SNOWFALL SN ON GND						4.5	5	5	3	T	T						T	T				T									
FLEMINGTON 1 NE	SNOWFALL SN ON GND	T				T	8.0	.5	4	2	1	1.5	T	T				T														
FREEHOLD	SNOWFALL SN ON GND						5.0	.5	5	4	1.3	5	3																			
HIGHTSTOWN 1 N	SNOWFALL SN ON GND						6.5	T	4	2		1.0	T	T																		
INOIAN MILLS 2 W	SNOWFALL SN ON GND						3.9	.2	3	2	.2	1.0	1																			
LAMBERTVILLE	SNOWFALL SN ON GND						4.0	4	2	T	T	1.5	T																			
LITTLE FALLS	SNOWFALL SN ON GND	1	T				.3	T	.1	T		.1																				
LONG BRANCH	SNOWFALL SN ON GND						4.5	5	4	3	1.0	2	T	T									T									
LONG VALLEY	SNOWFALL SN ON GND	2	2	1	1	1	4.0	4	2	1	T	.1	T	T				.1														
MAYS LANDING	SNOWFALL SN ON GND							3.0	3	2	1	T																				
MILLVILLE	SNOWFALL SN ON GND						-	-			-	-																				
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GND					T	4.0	T	4	2	T	T																				
MOORESTOWN	SNOWFALL SN ON GND						1.0	5.0	4	2	T	2.0	1																			
MORRIS PLAINS	SNOWFALL SN ON GND						1.5	1.0	-	-	-	.5	-					T						.2								
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV					T	1.1	T	T		.3	.1	T									T	T									
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND						4.0	4	2	T		1.0																				
NEWTON	SNOWFALL SN ON GND	1	1	1	T	T	1.2	T	1	1	1	.3	1	T	T	T																
PATERSON	SNOWFALL SN ON GND						T	T				T											T									
PEMBERTON 3 E	SNOWFALL SN ON GND						6.0	6	5	4	2	1.0	1																			
PLAINFIELD	SNOWFALL SN ON GND						3.5	-				1.0																				
RAHWAY	SNOWFALL SN ON GND						2.5	2	T		T	T																				
SOMERVILLE	SNOWFALL SN ON GND						2.5	3																								
TRENTON WB CITY	SNOWFALL SN ON GND						3.7	1	4	1	1.0	.2	1	T	T																	
WANAQUE RAYMOND DAM	SNOWFALL SN ON GND	3	2	T	T	T	.5	1	T	T	T	T	T																			

See reference notes following Station Index.

TOTAL PRECIPITATION

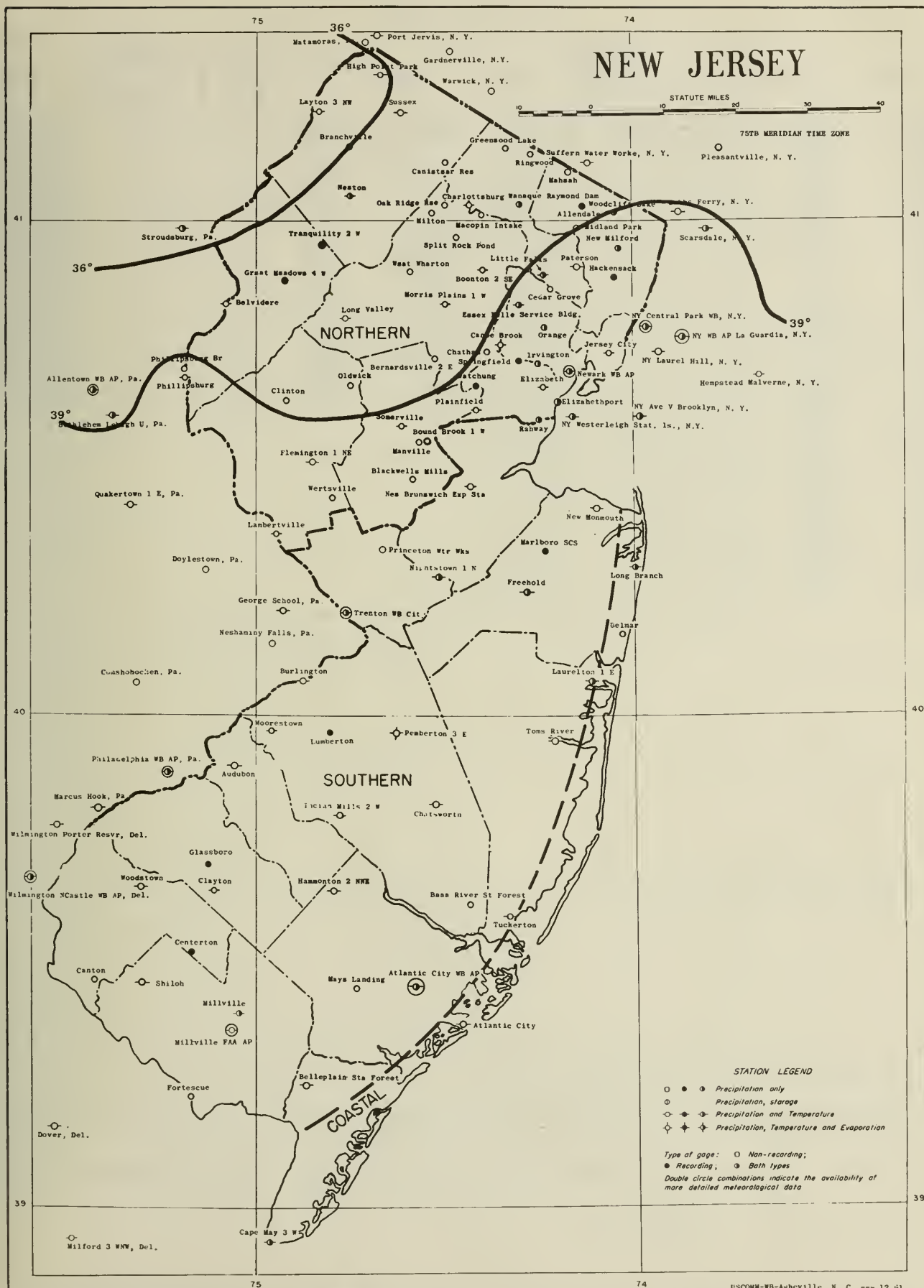
NEW JERSEY
MARCH 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
MARCH 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

NEW JERSEY
MARCH 1962

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL (SEE REFL.)		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID			C HJ	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			J	STATE MARINA
AUDUBON	0346	CAMDEN	2	39 04	75 04	50	11P	11P				IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					9A	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19					8A	BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275	5P	5P			H	CLÉMENT HAUT
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240					7A	BERNARDS WATER COMPANY
BLACKWELLS HILLS	0847	SOMERSET	10	40 29	74 35	27					7A	HENRY N. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A	8A				JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 35	20					8A	AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	980						ALBERT H. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040					8A	NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20					9A	GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P				N.WEST MAGNESITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400						J. A. PLUNKETT
CENTERTON	1512	SALEM	6	39 31	75 10	80						JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A				H NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185					8A	EDWARD P. MOLITOR
CHATSORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P				H HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300					6P	L. W. FLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5P	5P				UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10					MID	C SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A	8A				C BOROUGHS ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P	5P				H DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5					7A	JOHN LOPEZ
FREEHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P				C H FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135						C GLASSBORO STATE COLLEGE
GREAT MEADOWS 4 N	3416	WARREN	2	40 56	74 55	540						C GAMMA CHEMICAL CORP.
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660	7A					C GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10						C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	8A				W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P				C H JAMES P. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P				H EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120					MID	C JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 04	135	MID	MID				C HJ JERSEY CITY WATER DEPT.
LAHLERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P				H E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID	MID				C H GEORGE G. WADDILL
LAYTON 3 NW	4735	SUSSEX	2	41 15	74 51	480	6P	6P				H A. M. DEPUÉ
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A				C H PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID				C HJ WILLIAM D. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 48	74 46	660	6P	6P				H ARTHUR BAREMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25						C JAMES LAWTON
HACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						C INACTIVE 1/61
MAHWAH	5104	BERGEN	8	41 06	74 10	253	7A					ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10	40 33	74 34	50						C JOHN L. RADCLIFFE
HARBOR P. SCS	5244	MONMOUTH	1	40 20	74 14	120					8A	C GEROW BRILL
MAYS L. LANDING	5346	ATLANTIC	3	39 27	74 44	10					9A	H COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MID					C RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MID				C H L. J. GALLANER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID				H FED. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950					7A	JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A				H H. J. WILLARD
MORRIS PLAINS	5769	MORRIS	8	40 50	74 10	900	8A	8A				H JAMES C. LONG
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID				C HJ U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P				GH ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	1	40 57	74 02	12					MID	C HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P				ST. MARY'S SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A				C H NEWTON WTR. + SWR. COMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870					8A	NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260					8A	DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140					MID	C COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A				H P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P			5P	H PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P					H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196					7A	JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P				H MRS VIVIAN SCHERER
PLAINFIELD WATER WORKS	7328	MERCER	10	40 20	74 40	60					MID	C H PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20						C H RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305					10A	MO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P				C EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P				H W. E. HAVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	80					10A	C H JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18	-						C N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A				C BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P				C TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID				C HJ U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P				C REV. WALTER T. GANDEK
UNION	9187	PASSAIC	8	41 03	74 18	320					8A	C H WATER SUPPLY COMM.
VARANUE RAYMOND DAM	9271	UNION	8	40 40	74 25	-						C BONNIE BURN SANITARIUM
WATCHUNG	9363	HUNTERDON	10	40 27	74 48	160					7A	C ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680					7A	C N. J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103	MID					C HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P				C CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

103
NJ

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

APRIL 1962

Volume 67 No. 4



THE LIBRARY OF THE
JUN 22 1962
UNIVERSITY OF ILLINOIS

NEW JERSEY - APRIL 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 92° on the 28th at Paterson

Lowest Temperature: 16° on the 4th at Charlotteburg

Greatest Total Precipitation: 5.86 inches at Blackwells Mills

Least Total Precipitation: 2.67 inches at Cape May 3 W

Greatest One-Day Precipitation: 2.05 inches on the 1st at
Woodstown

Greatest Reported Total Snowfall: 1.5 inches at Oak Ridge Reservoir

Greatest Reported Depth of Snow on Ground: 2 inches on the 16th at
Oak Ridge Reservoir

CLIMATOLOGICAL DATA

NEW JERSEY
APRIL 1962

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
																			Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
											30° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																								
BELVIDERE		64.2	37.2	50.7	-.4	88	27	21	4	441	0	0	10	0	3.57	-.57	1.41	1	T	0		7	2	1
BOONTON 2 SE		60.5	39.2	49.9	.9	87	28	24	4	464	0	0	8	0	4.58	.72	1.50	1	T	0		7	3	2
CANOE BROOK		61.6	36.9	49.3	.6	89	28	19	4	486	0	0	12	0	5.20	1.18	1.68	1	+.0	0		7	4	2
CHARLOTTEBURG		59.5	37.4	48.5	.5	88	28	16	4	510	0	0	8	0	4.35	.14	1.56	8				6	2	2
ELIZABETH		64.5	40.8	52.7	.8	90	27	26	4	388	1	0	6	0	3.65	-.30	1.65	1	+.0	0		7	2	1
ESSEX FELS SERV BLDG		62.0	38.4	50.2		90	28	22	4	462	1	0	9	0	4.53		1.50	8	+.0	0		8	3	2
FLEMINGTON 1 NE		64.5	36.1	50.3	-.9	89	27	18	4	440	0	0	14	0	5.15	1.35	1.59	1	T	0		9	4	1
HIGH POINT PARK		59.4M	34.0M	46.7M		90	28	18	4	572	1	0	17	0										
JERSEY CITY		58.4	43.0	50.7	.2	86	27	31	17	437	0	0	2	0	2.89	-.70	1.26	1	+.0	0		7	2	1
LAMBERTVILLE		64.2M	38.7M	51.5M	.4	87	27	22	4	422	0	0	8	0	4.47	.83	1.88	1	T	0		9	2	1
LAYTON						91	27				1	0		0					+.0	0				
LITTLE FALLS		63.2	39.9	51.6	.9	90	28	24	4	430	1	0	7	0	5.02	.76	1.74	8	+.0	0		7	2	2
LONG VALLEY		62.8	35.3	49.1		88	27	17	4	480	0	0	13	0	4.75	.78	1.65	1	+.3	0		7	3	2
MORRIS PLAINS 1 W		62.0	38.3	50.2		89	28	20	4	463	0	0	9	0	4.81		1.55	1	T	0		7	3	2
NEWARK WB AIRPORT		62.1	42.8	52.5	1.2	90	27	32	4	393	1	0	1	0	3.44	-.07	1.27	1	T	0		7	2	1
NEWTON		61.1	36.1	48.6	.3	91	28	17	4	511	1	0	12	0	3.01	-.82	1.10	1	T	0		7	2	1
PATERSON		63.0	42.3	52.7	1.6	92	28	29	5+	393	1	0	4	0	4.10	-.03	1.70	1	T	0		7	2	1
PHILLIPSBURG		65.8	39.3	52.6	1.9	90	27	22	4	400	1	0	7	0	3.98	-.09	1.45	1	+.0	0		8	3	1
PLAINFIELD		63.8	39.3	51.6	.7	90	27	23	4	413	1	0	6	0	4.67	.80	1.52	1	T	0		9	2	2
SOMERVILLE		63.1	36.9M	50.0M	-.6	88	27	20	4	452	0	0	8	0	5.08	1.43	1.92	1	T	0		9	2	2
SUSSEX		61.5	35.6	48.6	-.5	90	28	19	5+	508	1	0	10	0	2.76	-1.19	.82	1	+.0	0		8	2	0
DIVISION				50.4	.4										4.21	.30			T					
SOUTHERN																								
ATLANTIC CITY WB AP		61.8	42.5	52.2	1.1	86	27	25	4	392	0	0	3	0	3.50	.09	1.34	7	T	0		6	3	1
AUDUBON		64.5	42.4	53.5		89	26	25	4	369	0	0	1	0	4.10		1.50	7	+.0	0		4	3	2
BELLEPLAIN STA FOREST		65.7	39.6	52.7		89	26	19	4	395	0	0	11	0	3.63	.16	1.28	8	+.0	0		7	4	1
BURLINGTON		67.3M	42.4	54.9M	1.6	90	27	28	4	318	1	0	1	0	2.87	-.57	1.50	1	T	0		5	1	1
CHATSWORTH		64.5	37.6	51.1		89	27	20	4	431	0	0	11	0	3.37		.96	8	+.0	0		7	4	0
CLAYTON		63.4	42.1	52.8		88	26	28	4	381	0	0	2	0	3.15		.81	12	T	0		7	3	0
FREEHOLD		63.0	40.1	51.6	.8	90	27	25	4	417	1	0	6	0	3.81	.23	1.10	1	+.0	0		8	2	1
HAMMONTON 2 NNE		64.1M	42.8	53.5M	1.2	90	28+	26	4	380	2	0	5	0	3.94	.34	1.78	8	+.0	0		7	2	1
HIGHTSTOWN 1 N		63.8	40.5	52.2	1.3	88	27	24	4	401	0	0	5	0	4.22	.84	1.62	1	T	0		10	1	1
INDIAN MILLS 2 W		63.1	39.2	51.2	-.2	89	27+	18	4	434	0	0	8	0	3.61	.19	1.26	1	T	0		7	3	1
MILLVILLE		63.3	43.8	53.6		89	27	28	4	373	0	0	3	0	3.53		1.68	7	T	0		6	2	1
MILLVILLE FAA AIRPORT		63.0	41.9	52.5		88	27+	24	4	401	0	0	6	0	3.64		1.55	7	T	0		6	3	1
MOORESTOWN		62.4	40.6	51.5	.1	88	26	23	4	423	0	0	5	0	4.50	1.06	1.22	8	+.0	0		7	3	2
NEW BRUNSWICK EXP STA		63.9	39.6	51.8	.7	87	27	25	4	412	0	0	7	0	3.92	.44	1.77	1	T	0		8	2	1
NEW MONMOUTH		64.2	41.0	52.6		91	27	25	4	393	1	0	6	0	3.37		1.11	1	+.0	0		8	3	1
PEMBERTON 3 E		64.0	40.0	52.0	-.3	88	27+	26	17	411	0	0	8	0	3.92	.47	1.36	1	T	0		7	3	1
SHILOH		63.4M	43.1M	53.3M	.6	89	26	29	17+	367	0	0	3	0	3.46	.35	1.38	1	+.0	0		7	2	1
TOMS RIVER		64.1	38.3	51.2		91	27	20	4	426	1	0	11	0	4.59		1.62	1	+.0	0		7	4	1
TRENTON WB CITY		62.5	43.3	52.9	1.2	87	27	31	4	386	0	0	2	0	3.77	.56	1.25	1	T	0		8	2	1
TUCKERTON		61.9	40.4	51.2		83	25+	20	4	416	0	0	6	0	5.19		1.09	1	T	0		9	5	2
WOODSTOWN		65.0	41.5	53.3		89	26	23	4	372	0	0	4	0	4.63		2.05	1	T	0		7	2	2
DIVISION				52.5	1.1										3.84	.39			T					
COASTAL																								
ATLANTIC CITY		55.7	45.2	50.5	.6	74	22	34	17	432	0	0	0	0	3.92	.52	1.08	1				6	4	2
CAPE MAY 3 W		59.2	44.8	52.0		81	26	32	4	383	0	0	1	0	2.67	.79	.88	8	T	0		5	3	0
LONG BRANCH		59.7	41.0	50.4	.8	90	27	28	4	444	1	0	3	0	3.31	-.32	.96	1	T	0		6	3	0
DIVISION				51.0	1.0										3.30	-.02			T					

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	S	15	12.3	33	WNW	23	72	73	50	58	4	2	3	2	1	0	12	65	5.4
LONG BRANCH	NW	13	14.1	46	NW	23+	-	70	56	59	3	3	3	3	0	0	12	61	4.6
NEWARK WB AIRPORT	SW	13	10.4	29	NW	23	63	65	46	54	6	3	5	1	1	0	16	-	5.7
TRENTON WB CITY	S	-	10.7	32	NW	23+	-	-	-	-	4	3	6	1	1	0	15	63	5.5
& 12:00 Noon																			

& 12:00 Noon

See Reference Notes Following Station Index

NEW JERSEY
APRIL 1962

- 40 -

DAILY TEMPERATURES

NEW JERSEY
APRIL 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	62	52	51	50	58	58	56	58	65	65	51	46	45	53	49	45	51	58	58	57	67	83	75	67	82	79	86	78	77	73	61.8	
	MIN	47	34	30	25	37	43	52	50	42	43	44	42	40	40	36	33	28	36	39	37	36	44	49	41	48	58	56	58	51	42.5		
ATLANTIC CITY	MAX	57	52	50	48	48	51	54	54	61	61	51	47	47	53	50	46	50	51	56	53	58	74	70	63	60	61	63	60	58	60	55.7	
	MIN	48	40	38	36	44	47	50	50	48	45	45	44	43	43	39	36	34	42	44	43	43	48	48	44	50	53	54	54	54	50	45.2	
AUDUBON	MAX	66	56	50	55	64	63	65	59	64	66	52	49	48	53	43	47	52	60	63	58	70	85	82	68	82	89	88	84	88	67	64.5	
	MIN	46	37	33	25	37	39	55	51	40	39	42	40	38	40	34	33	33	36	38	39	38	44	51	42	45	51	56	57	63	50	42.4	
BELLEPLAIN STA FOREST	MAX	65	58	52	55	62	62	62	60	68	67	65	46	46	55	52	48	52	62	62	65	69	84	80	70	83	89	88	84	83	76	65.7	
	MIN	56	32	23	19	32	35	52	52	37	33	41	44	40	38	29	28	24	29	30	32	30	35	56	37	40	49	56	60	62	58	39.6	
BELVIDERE	MAX	66	53	47	52	63	62	59	61	60	62	61	52	42	52	49	45	51	58	60	62	71	85	82	66	83	85	88	84	84	81	64.2	
	MIN	42	33	23	21	27	27	49	45	32	33	37	40	36	36	29	32	26	29	36	33	29	41	57	38	35	46	49	52	52	50	37.2	
BOONTON 2 SE	MAX	73	48	49	45	52	61	60	56	60	59	59	51	48	43	50	44	43	48	54	56	59	68	81	70	63	80	81	87	83	83	60.5	
	MIN	47	37	30	24	29	35	43	48	35	32	43	43	35	37	31	33	32	28	37	31	35	42	56	43	37	43	46	58	59	47	39.2	
BURLINGTON	MAX	70	51	50	55	65	65	65	65	65	65	62	48	47	50	56	50	56	62	61	70	85	80	68	84	89	90	82	87	80	80	67.3	
	MIN	49	36	34	28	35	39	50	54	38	42	37	39	38	42	35	36	33	37	38	41	35	46	52	43	43	48	57	58	58	50	42.4	
CANOE BROOK	MAX	76	49	49	46	53	63	64	57	59	62	60	51	49	44	50	44	43	49	58	61	59	69	84	69	64	81	78	89	85	83	61.6	
	MIN	44	34	22	19	28	32	48	43	31	34	36	42	36	35	25	31	27	25	31	29	28	50	62	39	33	42	44	52	60	45	36.9	
CAPE MAY 3 W	MAX	57	55	54	50	54	54	55	60	58	62	62	48	48	54	54	47	47	58	55	55	62	68	71	65	70	81	72	71	65	65	59.2	
	MIN	49	41	37	32	42	44	48	48	47	46	44	44	42	43	42	38	38	40	45	40	41	45	46	48	48	49	53	55	55	54	44.8	
CHARLOTTEBURG	MAX	71	46	46	42	52	61	61	61	60	59	58	52	47	40	48	43	42	47	54	57	50	67	81	65	60	80	82	88	83	83	59.5	
	MIN	39	33	25	16	26	35	39	49	33	39	39	40	33	34	31	30	28	25	34	30	38	45	56	39	34	42	50	55	59	45	37.4	
CHATSWORTH	MAX	65	55	51	54	62	62	58	58	65	65	63	46	44	53	50	46	51	61	61	58	69	83	82	66	83	88	89	84	85	78	64.5	
	MIN	45	34	26	20	30	35	50	53	33	34	39	41	38	36	29	32	27	29	31	33	35	39	47	26	28	48	50	53	59	51	37.6	
CLAYTON	MAX	68	52	49	53	62	61	64	64	62	61	52	47	47	52	48	45	50	60	62	58	69	82	76	66	81	88	86	81	83	73	63.4	
	MIN	49	34	34	28	35	34	54	50	39	40	42	41	39	40	33	29	33	34	39	40	40	44	58	37	42	52	54	58	53	57	42.1	
ELIZABETH	MAX	69	52	49	55	64	66	57	59	62	63	60	50	42	53	48	48	53	60	63	62	72	85	81	69	84	77	90	87	82	73	64.5	
	MIN	45	35	29	26	30	38	51	50	36	37	42	41	38	37	31	33	29	31	38	36	36	44	58	46	50	47	48	57	57	47	40.8	
ESSEX FELS SERV BLOC	MAX	75	47	52	46	54	63	63	56	59	60	61	51	49	43	51	43	44	50	57	61	59	70	86	72	65	84	79	90	86	84	62.0	
	MIN	43	34	26	22	32	36	49	42	34	36	42	43	35	36	29	30	26	28	36	32	32	42	61	38	38	45	49	55	61	41	38.4	
FLEMINGTON 1 NE	MAX	69	50	46	55	65	64	60	60	62	62	61	50	45	52	47	45	52	60	60	62	70	84	77	67	84	85	89	85	85	83	64.5	
	MIN	44	33	19	18	25	32	47	47	31	32	35	41	34	37	27	31	29	27	31	32	30	44	57	36	31	45	43	46	52	48	36.1	
FREEHOLD	MAX	64	51	48	52	63	64	57	58	64	63	56	49	43	53	47	45	51	59	61	60	68	82	74	66	82	79	90	84	83	75	63.0	
	MIN	50	34	27	25	31	38	51	52	37	39	40	39	37	37	32	31	27	33	37	36	35	40	57	37	42	45	54	55	60	46	40.1	
HAMMONTON 2 NNE	MAX	74	65	52	50	54	63	61	60	57	67	65	50	45	46	55	46	45	62	61	53	70	83	72	66	82	90	90	89	87	87	64.1	
	MIN	57	35	30	26	35	38	50	54	41	42	45	43	39	39	35	32	28	32	36	36	40	45	60	39	42	53	58	57	59	58	42.8	
HIGH POINT PARK	MAX	63	44	53	42	52	58	60	56	58	54	58	52	42	49	51	52	44	46	56	52	56	67	83	71	68		82	90	83	82	59.4	
	MIN	31	26	19	18	31	35	42	40	30	32	30	34	26	29	28	24	20	25	34	30	31	41	53	32		42	48	58	57	40	34.0	
HIGHTSTOWN 1 N	MAX	65	51	48	53	63	64	57	58	65	62	60	49	43	52	46	46	51	60	63	61	72	84	76	66	82	86	88	85	85	72	63.8	
	MIN	47	35	29	24	33	38	52	52	37	39	39	40	37	38	33	32	28	31	36	36	35	46	55	37	40	46	55	57	60	48	40.5	
INDIAN MILLS 2 W	MAX	65	50	47	53	64	61	59	58	65	65	55	45	45	52	45	45	49	59	61	58	67	82	74	66	82	89	89	84	86	72	63.1	
	MIN	47	33	24	18	34	33	52	52	35	36	39	40	37	37	32	32	24	29	31	32	34	39	56	37	37	49	55	58	62	53	39.2	
JERSEY CITY	MAX	58	53	45	52	54	55	55	58	54	60	52	47	41	50	41	43	48	52	57	56	67	81	68	63	81	64	86	82	72	57	58.4	
	MIN	43	38	34	32	39	43	49	49	48	45	44	37	35	37	36	33	31	38	43	37	42	54	48	45	47	46	54	61	58	45	43.0	
LAMBERTVILLE	MAX	68	51	48	54	62	60	60	60	62	63	62	50	46	52	49	45	50	59	60	60	70	84	79		84	83	87	84	86	83	64.2	
	MIN	46	35	23	22	31	36	49	49	34	34	39	40	37	32	30	32	27	30	33	34	33	40	58		36	47	50	55	60	49	38.7	
LAYTON	td																																

DAILY TEMPERATURES

NEW JERSEY
APRIL 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SHILOH	MAX	65	52	50	53	60	59	64	62	65	63		48	45	53	50	47	50	59	61	56	66	81	75	66	80	89	85	80	81	74		63.4
	MIN	50	36	33	29	36	41	59	53	42	44		42	38	39	34	32	29	37	37	37	40	43	55	38	45	48	53	57	62	60		43.1
SOMERVILLE	MAX	69	50	46	53	63	61	57	59	63	62	59	50	43	51	46	45	50	59	60	61	70	83	70	65	82	84	88	85	85	75		63.1
	MIN	44	34	23	20	28	33	50		33	32	38	39	37	38	29	33	23	28	34	33	30	38	54	37	33	48	45	53	56	48		36.9
SUSSEX	MAX	69	44	47	44	55	66	63	58	61	58	60	63	50	40	49	48	43	48	56	56	58	69	83	67	60	80	85	90	87	87		61.5
	MIN	37	35	25	19	19	25	34	42	33	36	37	39	34	34	34	27	28	26	32	27	31	36	50	38	38	43	49	56	56	49		35.6
TOMS RIVER	MAX	65	55	50	50	64	67	57	56	65	64	61	45	45	55	52	43	50	60	60	56	68	84	82	67	82	80	91	84	86	78		64.1
	MIN	53	36	25	20	30	34	51	53	33	32	40	41	40	40	29	31	26	28	27	31	31	37	59	36	35	46	46	55	56	49		38.3
TRENTON W8 CITY	MAX	63	50	46	53	62	62	60	59	63	63	54	49	44	50	43	45	50	59	60	59	69	84	72	66	83	86	87	84	85	66		62.5
	MIN	45	36	33	31	39	42	55	50	42	45	39	39	37	40	35	33	32	39	42	41	42	49	48	40	47	49	59	59	63	48		43.3
TUCKERTON	MAX	60	60	50	50	57	57	54	57	65	65	63	47	45	54	51	47	52	57	60	55	68	83	80	68	83	80	80	73	70	66		61.9
	MIN	52	35	26	20	37	42	49	51	35	39	40	43	40	38	35	31	27	28	30	34	36	42	56	37	36	52	55	55	57	54		40.4
WOODSTOWN	MAX	68	52	52	54	64	61	65	69	64	66	64	47	47	53	51	47	51	60	63	59	68	82	77	67	81	89	87	84	84	74		65.0
	MIN	49	36	29	23	37	35	59	53	38	40	41	43	38	36	33	33	31	36	36	35	32	40	58	39	42	49	52	59	59	54		41.5

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	56	50	48	51	53	51	53	54	53	53	49	47	45	47	45	46	49	51	53	54	58	59	58	58	59	65	65	67	70	61		54.1
	MIN	49	45	41	39	42	45	50	50	47	46	47	45	44	43	42	41	40	41	43	44	45	45	49	51	48	48	52	53	56	59	59	
2 INCHES	MAX	56	50	47	40	52	51	53	53	52	52	48	47	45	47	45	46	48	50	52	53	57	58	57	57	58	64	64	66	69	61		53.6
	MIN	49	45	41	39	42	45	49	50	47	46	47	45	44	43	42	41	40	41	43	44	45	49	51	48	48	51	52	56	59	59		46.7
4 INCHES	MAX	53	50	47	48	49	49	51	51	50	50	49	47	46	46	45	44	45	48	49	50	52	53	54	53	54	56	58	60	62	60		50.9
	MIN	50	47	43	41	43	45	48	50	48	48	47	46	45	44	44	43	42	42	44	45	46	49	50	49	49	51	52	55	57	59		47.2
8 INCHES	MAX	51	51	47	46	47	48	50	50	50	49	49	47	46	46	45	44	44	46	48	48	50	51	52	52	52	54	55	58	59	58		49.6
	MIN	51	47	45	43	44	46	48	50	49	48	47	46	45	45	44	43	43	43	45	46	46	48	51	50	50	50	52	54	56	56		47.7
16 INCHES	MAX	48	47	46	46	46	46	48	48	48	48	48	47	47	46	45	45	44	45	46	47	47	48	50	49	49	50	51	53	53	55		47.9
	MIN	47	46	45	45	45	46	47	48	48	47	47	47	46	46	45	44	44	44	45	46	46	47	49	49	49	49	50	51	53	54		47.2
32 INCHES	MAX	45	45	45	46	46	46	46	46	47	47	47	47	47	47	46	46	46	45	45	46	46	46	46	47	47	47	48	48	50	50		46.7
	MIN	44	45	45	45	45	45	46	46	47	47	47	47	47	46	46	46	45	45	45	45	46	46	46	47	47	47	48	48	49	50		46.4
PLOT #2																																	
1 INCH	MAX	58	55	54	59	61	59	57	57	59	58	48	46	45	51	47	49	54	60	60	60	67	69	64	66	74	78	83	86	88	63		61.2
	MIN	45	40	35	35	38	42	50	48	42	42	45	43	40	38	37	35	35	36	41	40	40	46	46	41	44	50	51	57	61	56		43.3
2 INCHES	MAX	58	55	53	57	60	58	57	57	59	58	47	46	45	51	47	49	54	59	60	59	66	68	64	65	73	77	82	85	86	63		60.6
	MIN	45	40	36	35	38	42	50	48	42	42	45	43	40	39	37	35	35	36	41	40	40	46	46	41	44	50	51	57	61	56		43.6
4 INCHES	MAX	56	48	51	55	59	56	55	56	55	57	47	46	45	49	47	47	50	56	57	57	62	65	62	62	69	72	76	80	80	65		58.1
	MIN	48	43	38	37	40	43	50	50	44	43	45	44	42	41	33	37	36	38	42	42	42	47	49	44	46	52	53	58	61	57		45.0
8 INCHES	MAX	55	50	47	46	47	52	53	53	53	47	47	47	45	46	44	44	46	50	51	52	55	58	57	56	60	62	66	69	70	66		53.4
	MIN	51	46	42	41	43	46	50	51	48	47	47	46	44	42	42	40	39	41	45	45	45	48	52	47	49	53	55	59	62	58		47.5

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky Bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Elektronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

SNOWFALL AND SNOW ON GROUND

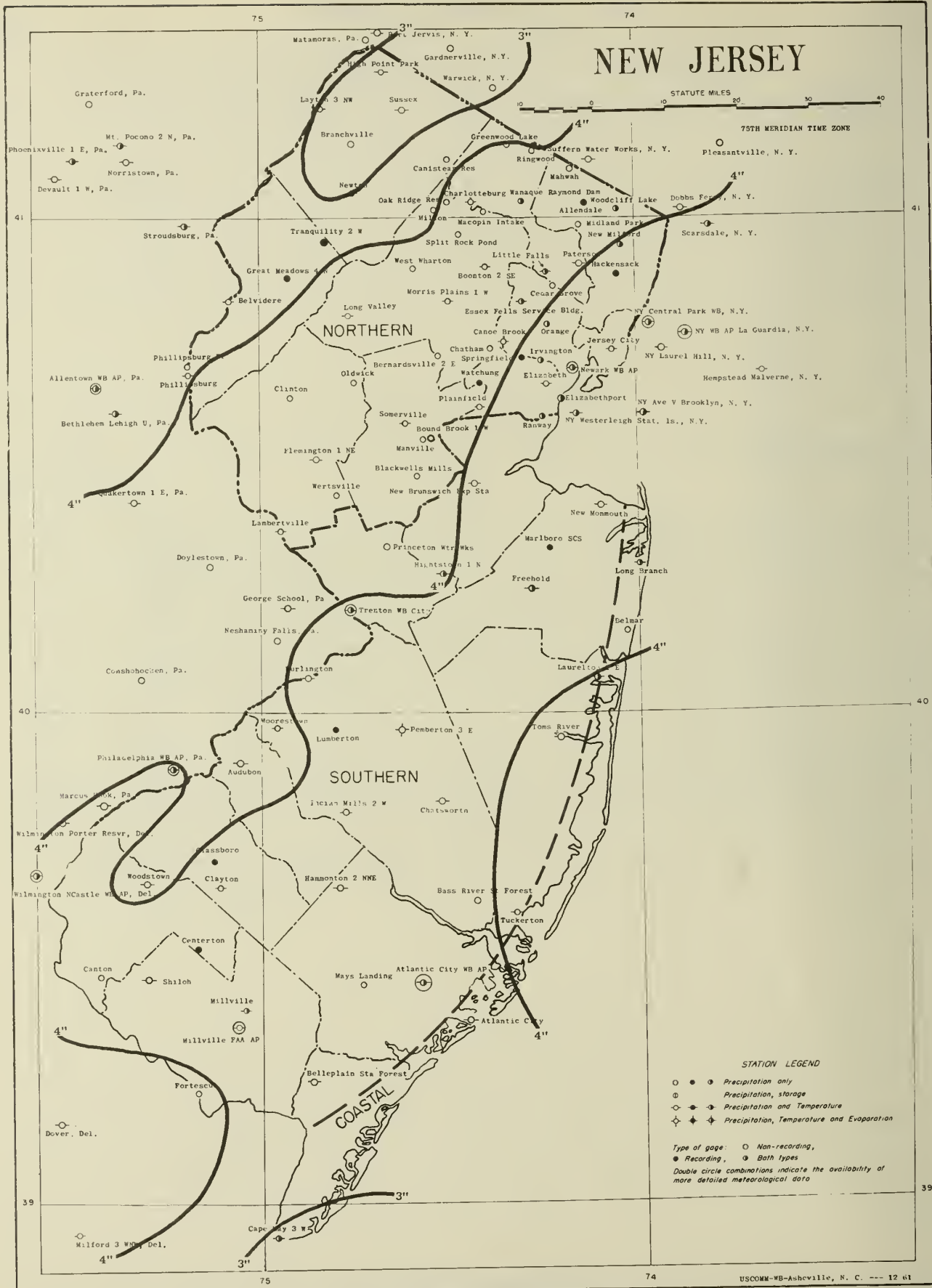
NEW JERSEY
APRIL 1962

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV															T																
BELVIDERE	SNOWFALL SN ON GND												T			T	T															
CHARLOTTEBURG	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAYTON	SNOWFALL SN ON GND											T																				
FLEMINGTON 1 NE	SNOWFALL SN ON GND												T			T	T															
HIGHTSTOWN 1 N	SNOWFALL SN ON GND																T															
INDIAN MILLS 2 W	SNOWFALL SN ON GND																T															
LAMBERTVILLE	SNOWFALL SN ON GND																T															
LONG BRANCH	SNOWFALL SN ON GND																T															
LONG VALLEY	SNOWFALL SN ON GND															.3																
MILLVILLE	SNOWFALL SN ON GND															T																
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GND																T															
MORRIS PLAINS	SNOWFALL SN ON GND																	T														
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV												T				T															
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND															T																
NEWTON	SNOWFALL SN ON GND																T															
PATERSON	SNOWFALL SN ON GND																T															
PEMBERTON 3 E	SNOWFALL SN ON GND															T																
PLAINFIELD	SNOWFALL SN ON GND																T															
SOMERVILLE	SNOWFALL SN ON GND																T															
TRENTON WB CITY	SNOWFALL SN ON GND															T	T															
WANAQUE RAYMOND DAM	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

TOTAL PRECIPITATION

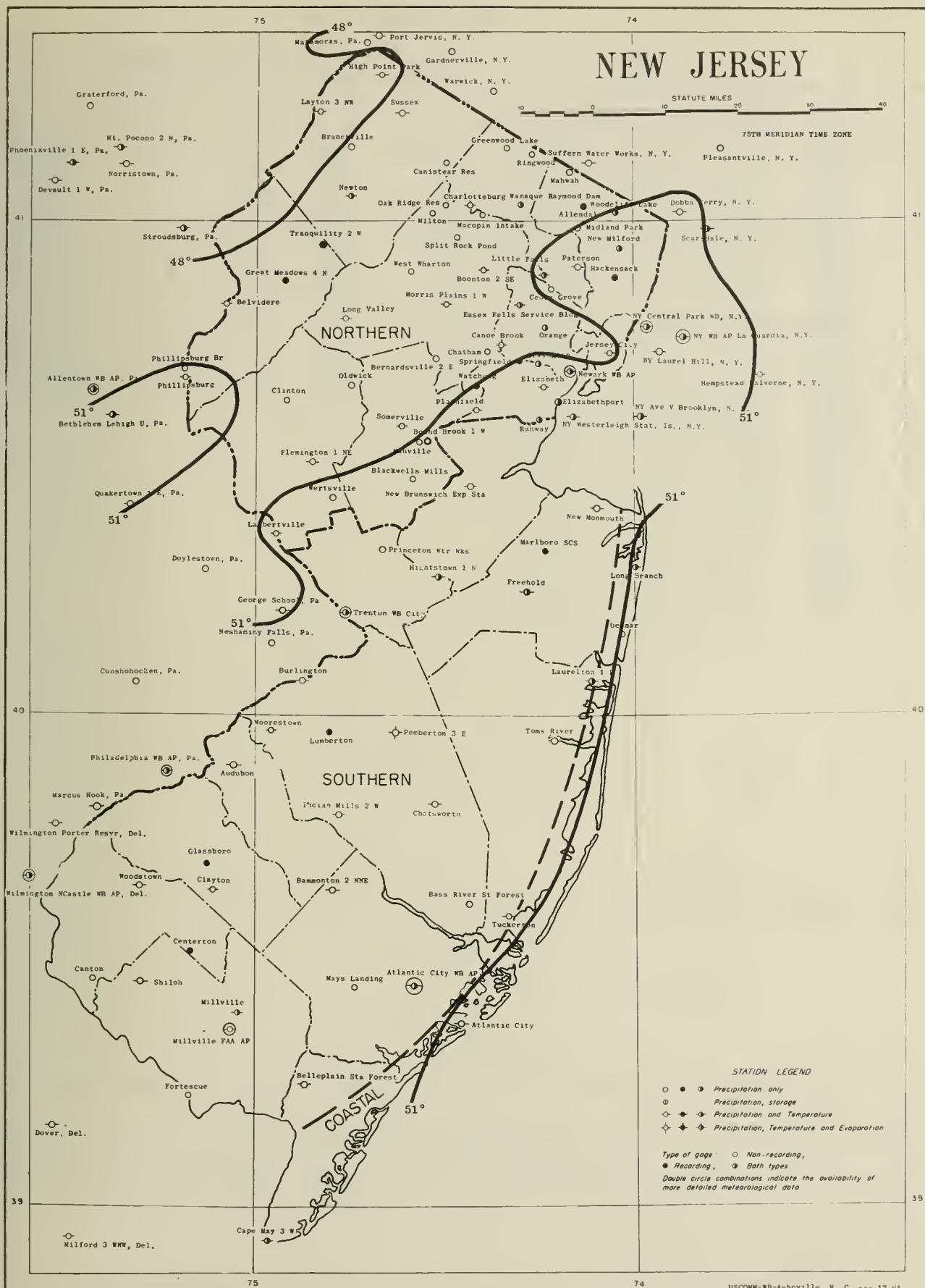
NEW JERSEY
APRIL 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
APRIL 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

NEW JERSEY
APRIL 1962

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL (W. F. FULTON)		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	M10	M10			H	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 24	74 26	10	M10	M10			H	STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50					H	IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	3	39 37	74 26	20					9A	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30					5P	BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19					8A	BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275					7A	CLEMENT HAUT
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240					7A	BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27					7A	HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A				8A	JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20						AMERICAN CYANAMID CO.
BRANCHVILLE	0976	SUSSEX	5	41 09	74 45	580						ALBERT M. GAVENPORT
BURLINGTON	1231	BURLINGTON	2	40 04	74 53	12	6P					PUBLIC SVC. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040					8A	NEWARK WATER DEPT.
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A				9A	COMMONWEALTH WATER CO.
CANTON	1343	SALEN	2	39 28	74 25	20						GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10					5P	N.W. WEST MAGNETITE CO.
CEAR GROVE	1472	ESSEX	8	40 52	74 13	400						J. A. PLUNKETT
CENTERTON	1512	SALEN	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	740	7A					NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD P. HOLTER
CHATHAM	1598	BURLINGTON	1	39 49	74 32	100					5P	EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120						HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300					6P	L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5P					UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 39	74 12	10					M10	SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLOC	2768	ESSEX	8	40 50	74 18	250	8A					BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P				7A	DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5						JOHN LOSER
FREHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P				C	FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					C	GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660					7A	GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10						BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A				8A	N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100					C	JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100					7P	EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120					M10	JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 04	135					M10	JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75					6P	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20					M10	GEORGE G. WOODILL
LITTLE FALLS	4887	PASSAIC	8	40 53	74 18	100					9A	PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20					M10	WILLIAM O. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P				6P	ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25						JAMES LAWTON
MALDEN INTAKE	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61
MAHWAH	5104	BERGEN	8	41 06	74 10	293						ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10	40 33	74 34	50					8A	JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120						GEORGE BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10					9A	H COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210					10A	RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	80					M10	L. J. GALLAHUE
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70					M10	FED. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950					7A	JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	M10	8A				H. J. WILLARD
MORRIS PLAINS 1 W	5749	MORRIS	8	40 50	74 30	400	8A					H. JOSEPH N. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11						U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P					ARTHUR N. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					M10	HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P					ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A				C	NEWTON WTR. & SWR. COMM.
OAK RIDGE RESERVOIR	6440	PASSAIC	8	41 02	74 30	870	8A					NEWARK WATER DEPT.
OLMICK	6544	HUNTERDON	10	40 40	74 45	260	8A					DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140					M10	COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A					H. P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P				5P	PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P					SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	194	9A					JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P					MRS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60					10A	PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20					M10	RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305						N. J. JERSEY WTR. SUPPLY
SILHOL	8051	CUMBERLAND	2	39 28	75 18	120	5P					EVERETT OICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P					W. E. MAVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800					10A	JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18	-						N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	AAO	7A					BRICE S. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10					4P	TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	94					M10	U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 36	74 20	10					6P	REV. WALTER T. GANDEK
WANAQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320	8A					WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-						BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160	7A					ROBERT M. MANNERS
WEST WATKIN	9608	MORRIS	8	40 54	74 36	680						N. J. POWER & LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103					M10	HACKENSACK WATER CO.
WOODSTOWN	9910	SALEN	2	39 39	75 19	50	5P				5P	CREAM VALLEY DAIRY
NEW STATIONS												
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P				5P	CHARLES KOONS
PUBLICATION ENDED												
GREAT MEADOWS A N	3416	WARREN	2	40 56	74 55	540						EFFECTIVE 3/62
LAYTON 3 NW	4795	SUSSEX	2	41 15	74 51	480						EFFECTIVE 2/62

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

UNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

MAY 1962
Volume 67 No. 5



ASHEVILLE: 1962

THE LIBRARY OF THE
JUL 22 1962
UNIVERSITY OF ILLINOIS

NEW JERSEY - MAY 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 101° on the 20th at Little Falls

Lowest Temperature: 25° on the 10th at Layton 3 NW

Greatest Total Precipitation: 2.65 inches at Burlington

Least Total Precipitation: 0.64 inch at Branchville

Greatest One-Day Precipitation: 1.48 inches on the 24th at
Hammonton 2 NNE

SPECIAL WEATHER SUMMARY

The outstanding meteorological event of the month was a small tornado which passed over the Delaware River from Eastern Pennsylvania into Mercer County, New Jersey, in the afternoon of May 24th, at Washington Crossing State Park. The tornado moved eastward to the south of Pennington Borough, then along the north edge of Lawrenceville and just to the north of Port Mercer. Considerable property damage occurred. A new elementary school in Hopewell Township, not yet in use, was unroofed. Many roofs and

television antennas were damaged, and hundreds of trees were blown down or twisted off. Power and communication lines were disrupted. One truck was overturned on the highway, with injuries to the driver.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office,
c/o General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
MAY 1962

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max. Min.								Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
											90° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																								
BELVIDERE		76.4	49.2	62.8	.6	97	19	31	10	138	3	0	1	0	1.08	- 2.95	.40	24	.0	0		6	0	0
BOONTON 2 SE		71.6	48.3	60.0	.9	95	20	36	13	196	3	0	0	0	1.44	- 2.72	.60	3	.0	0		4	1	0
CANOE BROOK		72.7	47.2	60.0	1.1	97	20	27	10	204	3	0	2	0	1.38	- 2.77	.38	24	.0	0		4	0	0
CHARLOTTEBURG		70.3	47.0	58.7	.3	94	20	34	13	233	2	0	0	0	2.20	- 1.95	.76	3	.0	0		6	2	0
ELIZABETH		75.6	51.9	63.8	1.6	97	19	40	10	121	3	0	0	0	1.81	- 2.25	.65	25	.0	0		4	2	0
ESSEX FELS SERV BLDG		73.2	47.9	60.5		98	20	34	10	200	3	0	0	0	1.20		.40	24+	.0	0		3	0	0
FLEMINGTON 1 NE		77.6	47.2	62.4	.6	98	19	30	10	158	5	0	3	0	1.38	- 2.63	.48	24	.0	0		5	0	0
HIGH POINT PARK		73.0M	45.5M	59.3M		94	20	31	0	206	2	0	1	0	.86		.26	24	.0	0		4	0	0
JERSEY CITY		69.9	53.3	61.6	.4	95	19	41	9	161	1	0	0	0	1.47	- 2.28	.64	24	.0	0		4	1	0
LAMBERTVILLE		77.4	49.5	63.5	1.0	97	19	30	10	135	4	0	1	0	2.46	- 1.62	1.32	24	.0	0		3	2	1
LAYTON 3 NW		77.0	45.0	61.0		96	19	25	10	179	4	0	1	0	.70		.26	24	.0	0		2	0	0
LITTLE FALLS		75.6	49.6	62.6	1.4	101	20	36	10	151	3	0	0	0	.98	- 3.35	.39	3	.0	0		3	0	0
LONG VALLEY		75.2	46.7	61.0		96	19	30	10	180	3	0	1	0	1.96	- 2.21	.64	3	.0	0		5	1	0
MORRIS PLAINS 1 W		73.2	48.1	60.7		98	20	34	13	195	3	0	0	0	1.60		.62	3	.0	0		4	1	0
NEWARK WB AIRPORT	R	74.2	54.3	64.3	2.3	98	19	44	04	120	2	0	0	0	1.46	- 2.19	.78	24	.0	0		2	1	0
NEWTON		73.5	46.2	59.9	.9	96	20	27	10	206	3	0	2	0	1.00	- 2.95	.38	3	.0	0		3	0	0
PATERSON		73.9	52.5	63.2	1.3	97	20	42	13+	142	3	0	0	0	1.49	- 2.91	.65	24+	.0	0		6	0	0
PHILLIPSBURG		78.5	50.0	64.3	2.0	98	20+	31	11	125	5	0	1	0	1.54	- 2.61	.53	3	.0	0		5	1	0
PLAINFIELD		74.8	50.2	62.5	1.3	98	19	37	12	155	3	0	0	0	2.09	- 2.05	.74	25	.0	0		4	1	0
SOMERVILLE		75.6	49.1	62.4	1.3	99	19	34	11	151	3	0	0	0	2.19	- 1.62	.93	25	.0	0		4	2	0
SUSSEX		72.6M	46.6M	59.6M	- .3	94	20+	33	10	205	3	0	0	0	1.03	- 2.74	.39	3	.0	0		4	0	0
DIVISION				61.6	1.1										1.49	- 2.58			.0					
SOUTHERN																								
ATLANTIC CITY WB AP		73.7	52.6	63.2	1.9	96	19	38	12	134	1	0	0	0	1.77	- 1.74	.91	2	.0	0		4	1	0
AUDUBON		76.7	52.3	64.5		96	19	38	12	113	4	0	0	0	2.18		1.00	24	.0	0		5	2	1
BELLEPLAIN STA FOREST		78.4	49.4	63.9		97	20+	27	10	119	3	0	2	0	1.94	- 1.89	1.15	24	.0	0		4	1	1
BURLINGTON		77.5	53.1	65.3	1.1	97	19	40	12	87	3	0	0	0	2.65	- 1.11	.70	24	.0	0		5	4	0
CHATSWORTH		77.2	49.3	63.3		97	19	32	12+	141	4	0	2	0	1.60		1.14	24	.0	0		3	1	1
CLAYTON		76.7	52.2	64.5		95	19	38	12+	121	3	0	0	0	1.88		1.45	24	.0	0		3	1	1
FREEHOLD		74.6	49.7	62.2	.6	95	19	34	10	155	3	0	0	0	1.41	- 2.62	.67	24	.0	0		3	2	0
HAMMONTON 2 NNE		76.0	51.0	63.5	.8	96	20	38	10	141	3	0	0	0	1.74	- 2.18	1.48	24	.0	0		2	1	1
HIGHTSTOWN 1 N		75.2	49.6	62.4	1.0	96	19	34	10	154	3	0	0	0	1.47	- 2.25	.69	24	.0	0		4	1	0
INDIAN HILLS 2 W		76.1	48.4	62.3	.3	96	19	29	10	163	3	0	2	0	1.75	- 2.10	1.39	24	.0	0		3	1	1
MILLVILLE		75.4M	52.6M	64.0M		95	20	38	13+	123	3	0	0	0	1.65		.86	24	.0	0		5	1	0
MILLVILLE FAA AIRPORT		75.6	51.9	63.9		95	19	32	10	126	2	0	1	0	1.74		.80	24	.0	0		5	1	0
MOORESTOWN		74.7	50.5	62.6	.9	95	19	34	10	158	3	0	0	0	1.60	- 2.47	1.01	24	.0	0		4	1	1
NEW BRUNSWICK EXP STA		75.0	49.9	62.4	.8	96	19	38	12	147	3	0	0	0	2.06	- 1.59	.78	24	.0	0		4	2	0
NEW MONMOUTH		75.4	50.1	62.9		94	19	38	13+	146	2	0	0	0	1.79		.70	3	.0	0		5	1	0
PEMBERTON 3 E		76.0	48.9	62.5	- .2	95	19	29	10	150	4	0	1	0	1.84	- 1.92	1.32	24	.0	0		3	1	1
SHILOH		77.7	52.4	65.1	2.1	94	12	38	12	100	4	0	0	0	1.75	- 2.21	1.78	24	.0	0		3	1	1
TOMS RIVER		75.3	49.4	62.4		96	12	28	10	154	2	0	1	0	1.51		.55	24	.0	0		4	1	0
TRENTON WB CITY	R	74.0	53.5	63.8	1.5	96	19	43	12+	134	3	0	0	0	1.64	- 1.98	.74	2	.0	0		3	2	0
TUCKERTON		74.3	50.8	62.6		95	19	33	12+	157	2	0	0	0	1.59		1.40	24	.0	0		2	1	1
WOODSTOWN		79.1M	51.7M	65.4M		96	19+	33	10	102	4	0	0	0	2.05		.91	2	.0	0		4	2	0
DIVISION				63.5	1.4										1.79	- 1.99			.0					
COASTAL																								
ATLANTIC CITY	R	63.9	53.6	58.8	- .7	79	19	44	12+	202	0	0	0	0	1.49	- 1.67	.73	2				3	1	0
CAPE MAY 3 W		72.0	55.0	63.5		88	21	42	12	101	0	0	0	0	1.82		.91	24	.0	0		6	1	0
LONG BRANCH	R	70.4	51.5	61.0	1.2	90	31+	42	12+	183	2	0	0	0	1.06	- 2.43	.44	24	.0	0		3	0	0
DIVISION				61.1	1.1										1.46	- 1.80			.0					

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	S	11	10.1	25++	NW	4	75	73	44	63	6	4	3	1	0	0	14	49	6.0
LONG BRANCH	S	12	12.7	37	NW	6	-	70	50&	66	4	2	3	0	0	0	9	67	4.6
NEWARK WB AIRPORT	SW	12	9.0	32++	WNW	24	73	68	46	57	10	3	1	1	0	0	15	-	5.5
TRENTON WB CITY	S	-	8.3	29	NW	6	-	-	-	-	4	4	1	2	0	0	11	65	5.7
& 12:00 Noon																			

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
MAY 1962

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	1.77	.02	.91										.08										.01		.28	.35		T	.02	T	T	.10
ATLANTIC CITY	R 1.49		.73				T		T				.06			T									.25	.38					.01	
AUDUBON	2.18	.30	.28	.10			T																		.50	1.00						T
BASS RIVER ST FOREST	1.77		.10	.37									.04												1.18							.06
BELLEPLAIN STA FOREST	1.94		.05	.28					T				.07											.12	1.16		.09	.02	.11			.06
BELVIDERE	1.08	T	.10	.15			T		.13						.05							.10			.40	.14			T		.01	
BERNARDSVILLE 2 E	1.87	.25	.12	.42					.12						.01		.01						.10		.43	.48						.02
BLACKWELLS MILLS	1.52	.03	.05	.56				.03	.16																.46	.13						
BOONTON 2 SE	1.44	.25	.02	.60				.02	.09						.02		.02				T	.08			.44	.13					.02	
BOUND BROOK 1 W	2.19	.16	.05	.65					.12																.58	.63						
BRANCHVILLE	.64	.04	.03	.24	T				.15						.02								T		.11	.05						
BURLINGTON	2.65	.50	.60					.05				.15											.08			.70			.50		.07	
CANISTEAR RESERVOIR	.93	.03	.03	.45					.13						T		.07								.20	.02						
CANOE BROOK	1.38	.20	.04	.28					.09						.01		.01				.04		T	.11	.38	.33						
CANTON	1.68		.04	.11								.13											.11	1.10				.15			.04	
CAPE MAY 3 W	1.82		.05	.13								.20	.01	.11									.20		.81		.02	.22			.03	.04
CEDAR GROVE	1.06	.10		.40				.03																	.38	.15						
CHARLOTTEBURG	2.20	.66	.05	.76				T	T	.19	.01				.01		.12								.27	.13						
CHATHAM	1.55	.34	.06	.25					.10						.01											.43	.36					
CHATSWORTH	1.60		.03	.25				.03				.12					T								1.14	T					.03	
CLAYTON	1.88		.05	.12																												
CLINTON	2.02	.16	.36	.32				.17	.09			.15	T				.01								1.45		.60				.02	
ELIZABETH	1.81	.18	.06	.58											.03		.01									.30	.65					
ELIZABETHPORT	2.00	.05	.36	.37				.07	.01					.02	.01										1.03							T
ESSEX FIELDS SERV BLOG	1.20	.07	.03	.40					.09						.02						.08				.40	.19						
FLEMINGTON 1 NE	1.38	.05	.15	.36			T	T	.15	T							T								.48	.15			T	T	.04	
FORTESCUE	1.28			.18									.15	.06									.03			.69			.17			
FREEMOHL	1.41	.05	.05	.50					.14																.67							T
GREENWOOD LAKE	1.72	.28	.04	.18					.15								.05	.03								.20		.10				T
HAMMONTON 2 NNE	1.74												.08											.05	1.48							
HIGH POINT PARK	.86	.03	.04	.11					T	.12					.02		.04						T		.26	.24						
HIGHTSTOWN 1 N	1.47	T	.18	.41			T		.13			.02					.02						.02	T		.66				T	T	
INDIAN MILLS 2 W	1.78		.07	.16			T		.04			.12													1.39	T		T	T			
IRVINGTON	1.37	.02	.49	.02					.01						.01											.61					.01	.20
JERSEY CITY	1.47	.03	.25	.37				.08																		.54					T	.20
LAMBERTVILLE	2.46	T	.11	.84			T		.09			.03														1.32					.07	
LAYTON	.70	.02	.08	.08				T	.12	.02					.03	T	.03						.03		.26	.04						
LITTLE FALLS	.98	.13	.01	.38				.01	.17	.09					.01	T									.27	.08						T
LONG BRANCH	1.06	.07	.31	.07					.17						T										.44			T				
LONG VALLEY	1.96	.02	.43	.54					.12	T					.02	.01	.01						.02			.37	.40					.02
MAHWAH	1.55	.26	.03	.45					.17						.02		.02	T								.51	.08					.01
MANVILLE	1.70	.16	.07	.61					.15						T	.01							.30			.40						
MAYS LANDING	1.31	.07	.03										.13											.01			.87			.07		.13
MILANO PARK	1.12		.42	.06					.12						.02											.39						.11
MILLVILLE	1.65	.01	.13				T		T			.16										.01			.27	.86		.21				
MILLVILLE FAA AIRPORT	1.74	T	.13	.08			T	T	T			.12											.08		.41	.80	T	T	.12		T	T
MILTON	1.56	.17	.05	.75					.21						.02							.02				.32	.02					
MOORESTOWN	1.60	T	.05	.19				T	.07				.17													1.01	T				T	.11
MORRIS PLAINS 1 W	1.60	.29	.04	.62				T	.08						.01		T	T								.42	.14				T	T
NEWARK WB AIRPORT	R 1.46	T	.49	.05			T			.08				T			T				T				T	.78				T	T	.06
NEW BRUNSWICK EXP STA	2.06	.05	.05	.67			.01		.16						T											.78	.02				.05	.27
NEW MILFORD	1.58	.08	.20	.34					.10						.04						.06					.30						.46
NEW MONMOUTH	1.79	.16	.07	.70					.17						.01											.26	.33				.08	
NEWTON	1.00	T		.38				T	.16	.02					.01		.02							T		.31	.09				T	
OAK RIDGE RESERVOIR	1.61	.20	.07	.76				.04	.22								.03									.24	.05					
OLOWICK	2.34	.42	.11	.60					.15						T											.47	.59				T	T
ORANGE	1.46	.10	.02	.42																						.60	.32					
PATERSON	1.49	.12	.01	.45			T							.10									.02			.45	.22					.02
PEMBERTON 3 E	1.84	.03	.05	.26					.05	.02			.11													1.32						
PHILLIPSBURG	1.54			.53					.13	.04							.04						.13			.45	.22					
PHILLIPSBURG BRIDGE	1.86	.58	T					.12	.35								.02						.14			.40	.25					
PLAINFIELD	2.09	.25	.5	.52			T		.14						.01											.43	.74	T			T	T
PRINCETON WATER WORKS	1.77	.03	.69	T					.10																	.95						

DAILY TEMPERAT URES

NEW JERSEY
MAY 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	52	50	73	78	80	85	71	55	62	69	56	67	64	75	76	69	73	83	96	89	88	71	77	83	82	84	72	70	71	79	84	73.7
	MIN	47	47	47	52	44	47	53	47	44	40	43	38	48	50	56	52	53	52	58	66	66	54	53	62	64	65	52	50	54	63	64	52.6
ATLANTIC CITY	MAX	50	49	57	71	71	73	66	55	54	61	55	57	56	60	65	60	63	66	79	75	78	61	63	68	73	75	62	62	62	65	68	63.4
	MIN	48	48	48	53	49	52	55	50	48	44	47	44	52	52	55	54	53	54	56	60	60	55	56	59	60	62	56	54	57	60	61	53.6
AUDUBON	MAX	52	50	73	78	82	85	71	57	65	70	62	73	70	78	88	71	78	95	96	95	87	83	79	80	84	78	67	78	83	90	76.7	
	MIN	46	45	46	47	44	47	56	46	45	39	43	38	49	48	57	53	51	51	58	60	65	56	55	62	60	64	59	51	55	60	64	52.3
BELLEPLAIN STA FOREST	MAX	70	52	73	81	82	89	84	71	66	70	69	69	65	77	81	75	73	87	97	97	90	86	80	86	85	86	83	69	70	82	85	78.4
	MIN	48	47	45	46	37	42	52	42	43	27	52	30	45	48	53	56	46	48	56	60	62	56	45	60	57	57	54	40	51	62	65	49.4
BELVIOERE	MAX	55	52	69	76	80	79	72	65	64	70	68	72	70	70	86	79	79	94	97	92	89	80	79	81	79	83	77	73	74	78	85	76.4
	MIN	48	45	45	40	38	43	47	42	41	31	37	39	42	48	50	52	52	51	60	57	63	49	50	61	56	57	56	49	51	59	60	49.2
BOONTON 2 SE	MAX	50	48	46	68	73	77	79	65	47	62	66	62	70	65	71	77	67	78	91	95	90	83	78	79	79	81	80	75	66	72	79	71.6
	MIN	44	43	43	44	50	45	49	39	42	44	38	40	36	45	50	54	49	49	53	60	62	51	49	55	54	51	51	45	48	54	60	48.3
BURLINGTON	MAX	54	48	72	79	82	85	72	70	67	69	69	72	74	78	84	79	77	94	97	94	82	77	80	82	78	82	82	77	74	83	89	77.5
	MIN	47	45	46	49	44	48	57	45	44	42	44	40	49	50	60	56	53	56	55	60	62	57	54	61	60	65	59	54	55	63	66	53.1
CANOE BROOK	MAX	50	49	47	70	75	76	83	65	48	63	67	63	72	65	71	75	67	80	93	97	91	84	79	81	83	79	82	76	66	71	83	72.7
	MIN	44	43	43	39	42	40	49	39	42	27	32	34	37	45	51	54	48	51	52	56	60	48	48	60	54	55	55	45	53	56	60	47.2
CAPE MAY 3 W	MAX	63	54	67	74	77	83	78	68	62	63	63	63	63	67	76	70	66	75	80	86	88	79	70	74	77	79	78	70	69	74	76	72.0
	MIN	50	49	46	56	56	55	59	53	47	46	51	42	50	51	56	56	53	55	55	58	65	59	56	61	64	64	56	52	59	62	64	55.0
CHARLOTTEBURG	MAX	50	47	45	66	70	75	79	62	44	61	64	62	68	62	70	76	65	81	91	94	89	80	78	78	80	76	78	74	62	73	79	70.3
	MIN	43	42	41	44	42	50	49	40	36	35	36	41	34	44	48	52	45	52	53	61	62	48	48	51	58	50	52	42	49	51	59	47.0
CHATSWORTH	MAX	52	48	73	77	81	86	73	70	65	69	68	68	64	77	79	77	77	93	97	96	90	83	81	84	84	85	82	72	73	82	87	77.2
	MIN	45	45	45	46	39	41	52	40	44	32	34	32	44	45	54	54	51	48	56	64	63	54	47	59	60	59	55	44	51	61	63	49.3
CLAYTON	MAX	57	50	70	78	81	80	74	69	63	68	66	75	68	74	86	78	75	93	95	93	87	80	80	83	82	84	79	66	76	81	87	76.7
	MIN	42	40	44	47	45	51	54	45	45	38	39	38	42	48	56	57	51	55	60	68	61	57	54	61	60	62	57	52	57	65	68	52.2
ELIZABETH	MAX	51	50	69	76	81	82	74	66	65	71	66	73	65	74	74	67	76	90	97	90	88	79	82	84	79	84	77	71	72	82	88	75.6
	MIN	46	44	45	44	46	47	49	43	44	40	41	42	41	49	56	55	52	53	57	65	62	55	52	61	57	60	68	52	58	59	65	51.9
ESSEX FELS SERV BLOG	MAX	49	49	46	70	75	80	82	67	46	59	69	64	70	65	74	76	69	81	93	98	92	87	80	83	83	81	82	76	66	73	83	73.2
	MIN	43	43	43	43	41	43	46	41	41	34	35	38	35	41	52	54	48	54	53	60	60	51	50	61	55	56	54	46	46	55	60	47.8
FLEMINGTON 1 NE	MAX	51	48	72	75	80	83	68	65	65	69	69	73	69	78	79	76	78	96	98	94	93	81	83	85	79	84	81	80	77	85	91	77.6
	MIN	43	44	43	38	36	39	45	35	40	30	32	31	39	46	56	54	52	51	54	60	64	48	44	60	60	56	55	45	50	55	59	74.2
FREEHOLD	MAX	47	45	71	75	79	83	70	65	63	68	66	69	62	75	75	67	76	90	95	94	86	75	82	85	79	83	77	68	71	84	89	74.6
	MIN	44	42	44	44	42	43	50	42	42	34	42	39	41	49	56	52	50	51	54	63	61	52	51	52	60	61	57	48	54	58	63	49.7
HAMMONTON 2 NNE	MAX	67	51	50	74	77	81	87	70	58	64	69	55	74	69	79	86	72	77	94	96	95	87	81	84	85	81	86	77	68	77	85	76.0
	MIN	46	45	45	46	45	46	55	42	45	38	42	39	44	47	55	55	50	52	58	62	65	53	50	56	60	64	58	47	50	57	65	51.0
HIGH POINT PARK	MAX	54	47	51	68	71	74	78	79		64	66	62	65	69	75	78	72	82	91	94	89	78	78	78	79	75	76	74	68	70	84	73.0
	MIN	40	36	40	42	40	47	40		31	33	40	42	37	38	44	48	45	50	60	57	58	45	49	54	51	53	50	44	45	51	55	45.5
HIGHTSTOWN 1 N	MAX	50	47	71	75	80	83	70	65	63	68	64	70	64	75	79	67	78	92	96	92	86	79	83	83	78	83	75	72	73	63	88	75.2
	MIN	45	43	45	44	41	43	52	39	42	34	38	35	40	46	56	53	51	51	56	60	63	51	51	61	61	59	56	46	52	60	65	49.6
INOIAN MILLS 2 W	MAX	53	49	72	76	80	85	72	60	64	67	58	72	69	77	85	72	76	95	96	93	87	80	81	84	79	84	77	69	76	84	88	76.1
	MIN	45	44	45	41	36	38	52	36	44	29	35	31	45	47	53	55	51	51	56	59	63	51	45	60	59	59	55	42	46	62	64	48.4
JERSEY CITY	MAX	48	46	68	74	76	71	66	49	63	68	61	66	57	69	69	61	67	82	95	83	85	68	74	79	80	81	72	64	65	74	87	69.9
	MIN	44	43	43	55	54	52	49	43	41	46	48	46	49	48	55	54	53	51	57	62	62	58	57	61	61	64	56	58	56	58	67	53.3
LAMBERTVILLE	MAX	52	49	72	76	81	83	72	67	64	69	69	72	68	76	82																	

DAILY TEMPERAT URES

NEW JERSEY
MAY 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SHILOH	MAX	69	54	71	78	85	85	73	68	64	67	66	71	66	76	87	79	72	90	94	92	90	83	83	85	84	84	82	70	76	81	85	77.7
	MIN	47	45	44	46	47	47	56	43	44	39	51	38	47	48	55	56	48	54	58	65	64	56	53	59	61	64	55	51	55	63	66	52.4
SOMERVILLE	MAX	50	47	70	74	79	83	71	64	65	68	66	71	65	74	76	72	78	94	99	91	86	80	82	83	78	83	78	72	73	82	89	75.6
	MIN	46	44	45	42	37	43	51	40	44	37	34	35	37	47	56	54	52	52	55	61	63	51	48	61	55	57	55	48	55	57	61	49.1
SUSSEX	MAX	52	51	48	68	71	81	73	76	47	61	66			60	70	85	65	83	94	94	92	78	79	81	82	75	78	74	65	77	80	72.6
	MIN	46	44	44	45	40	46	40	43	39	33	36			36	39	40	51	51	58	57	60	48	47	50	53	52	50	45	50	51	58	46.6
TOMS RIVER	MAX	48	48	65	74	79	84	78	67	64	68	67	74	63	77	77	71	72	86	96	90	87	87	78	78	77	84	84	70	69	85	88	75.3
	MIN	45	45	46	44	38	37	55	39	45	28	35	41	42	46	54	54	54	52	56	60	56	54	48	60	60	59	56	42	55	61	64	49.4
TRENTON W8 CITY	MAX	49	47	71	75	80	83	67	51	64	68	55	70	65	76	80	67	76	93	96	93	85	78	80	83	78	83	76	64	72	82	88	74.0
	MIN	45	44	46	52	49	49	51	43	44	43	48	43	47	48	58	53	52	57	59	68	62	55	55	62	64	66	58	53	55	62	67	53.5
TUCKERTON	MAX	57	49	57	78	81	83	74	70	60	70	62	65	60	70	73	66	73	80	95	86	90	87	75	78	80	89	83	70	77	80	84	74.3
	MIN	46	45	42	45	38	42	55	40	45	33	36	33	46	51	59	56	51	50	58	67	64	56	50	57	67	60	58	41	57	62	64	50.8
WOODSTOWN	MAX	55		72	79	82	85	77	67	67	69	61	73	66	77	59	78	75	96	96	95	92	82	80	85	85	85	84	76	76	81	88	79.1
	MIN	47		45	43	42	44	51	43	41	33	49	36	48	48	55	55	48	53	59	64	66	57	47	60	61	66	57	49	56	62	65	51.7

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP	-	-	-	-	-	-	-	-	-	-	.25	.11	.17	.14	.15	.20	.10	.13	.07	.34	.30	.24	.24	.23	.15	.21	.21	.22	.07	.20	.10	-
	WIND	-	24	15	30	42	40	43	67	27	45	40	24	41	37	28	33	20	20	18	25	37	47	29	54	35	31	27	18	15	31	18	B 993
PEMBERTON 3 E	EVAP	-	-	-	.20	.14	.35	.28	.14	.12	.10	.23	.16	.16	.18	.21	.14	.13	.16	.36	.22	.20	.22	.21	.37	.31	.21	.27	.10	.24	.19	.18	B6.40
	WIND	-	-	-	55	40	45	49	36	34	34	16	30	74	47	28	31	27	19	41	12	40	27	28	55	63	35	19	17	39	39	33	B1122

DAILY SOIL TEMPERATURES

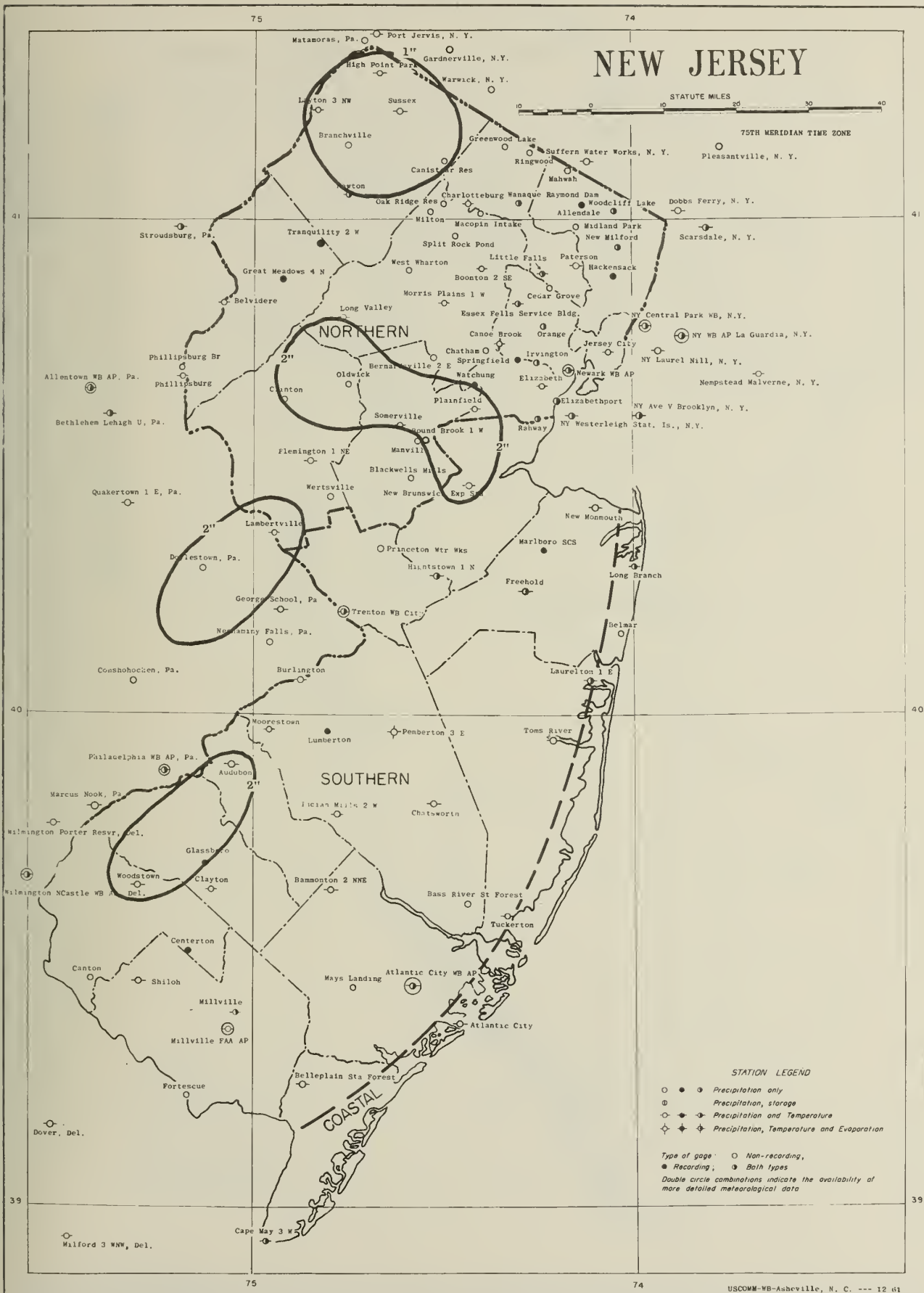
Station And Depth		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT #1																																		
1 INCH	MAX	55	53	63	63	66	64	65	56	65	64	57	66	66	62	69	64	68	72	73	75	73	72	72	73	72	72	75	66	74	72	76	67.2	
	MIN	53	51	51	54	53	54	56	54	52	51	52	51	52	55	57	58	58	59	62	64	64	63	61	64	65	65	64	63	61	65	67	58.1	
2 INCHES	MAX	55	53	62	63	65	63	65	56	64	64	56	65	65	62	68	63	67	71	72	73	73	71	72	73	72	72	74	66	73	72	75	66.6	
	MIN	53	51	51	53	53	54	56	54	52	51	52	50	52	55	57	58	58	58	62	64	64	63	61	64	65	64	64	63	61	65	66	57.9	
4 INCHES	MAX	55	53	57	59	60	60	60	56	64	59	55	58	58	60	61	60	62	67	69	70	70	68	69	70	70	70	71	65	70	70	72	63.5	
	MIN	53	51	51	54	53	54	56	54	52	52	53	52	53	55	57	58	57	59	62	64	64	63	62	64	65	65	64	63	62	65	66	58.2	
8 INCHES	MAX	55	53	55	56	57	58	58	56	56	57	55	56	56	58	59	58	60	63	65	66	66	65	66	67	67	67	68	67	66	67	69	61.0	
	MIN	53	52	52	54	54	55	56	54	53	53	54	53	54	54	57	58	57	58	61	63	63	63	63	63	64	64	64	63	63	64	65	58.2	
16 INCHES	MAX	54	53	53	54	54	55	55	55	54	54	54	54	54	55	56	56	57	58	59	61	61	61	61	62	63	63	64	63	63	63	64	57.9	
	MIN	53	52	52	53	53	54	55	54	53	53	53	53	54	54	55	56	56	57	58	60	60	60	61	61	62	62	62	62	62	62	62	56.9	
32 INCHES	MAX	52	52	52	52	52	52	53	53	53	53	53	53	53	53	53	53	54	54	54	55	56	57	57	57	58	58	59	60	60	59	59	60	55.1
	MIN	52	52	51	51	51	52	52	53	52	52	52	52	53	53	53	53	54	54	54	55	55	56	57	57	58	58	58	59	59	59	59	59	54.4
PLOT #2																																		
1 INCH	MAX	53	52	73	70	77	76	75	53	71	76	61	78	76	80	82	72	84	93	97	97	94	91	95	86	81	86	92	71	87	87	98	79.5	
	MIN	49	48	49	50	48	51	53	50	48	43	48	45	48	54	58	58	57	59	64	67	68	63	61	66	63	64	61	61	59	66	67	56.3	
2 INCHES	MAX	53	51	72	70	76	75	75	54	70	75	61	77	75	79	81	71	83	91	95	95	93	90	94	85	81	85	90	71	86	86	96	78.6	
	MIN	50	48	49	50	48	51	53	50	48	43	48	46	48	54	58	58	57	60	64	68	68	63	62	66	63	64	62	61	59	66	67	56.5	
4 INCHES	MAX	54	51	68	67	72	71	71	56	67	70	60	72	71	74	77	69	78	85	90	90	88	85	88	82	79	81	86	69	82	82	91	75.0	
	MIN	50	49	49	51	50	53	54	50	49	45	49	47	50	55	59	59	58	60	65	69	69	65	63	67	64	63	63	61	66	68	57.6		
8 INCHES	MAX	56	52	61	61	64	64	58	60	62	58	63	64	66	69	65	69	75	78	79	78	77	78	75	73	75	77	72	74	75	81	68.5		
	MIN	52	51	51	54	53	55	57	52	51	50	53	51	54	56	60	61	59	62	67	70	70	68	67	69	67	66	65	65	63	67	69	59.8	

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Elektronik Potentiometer.

Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

TOTAL PRECIPITATION

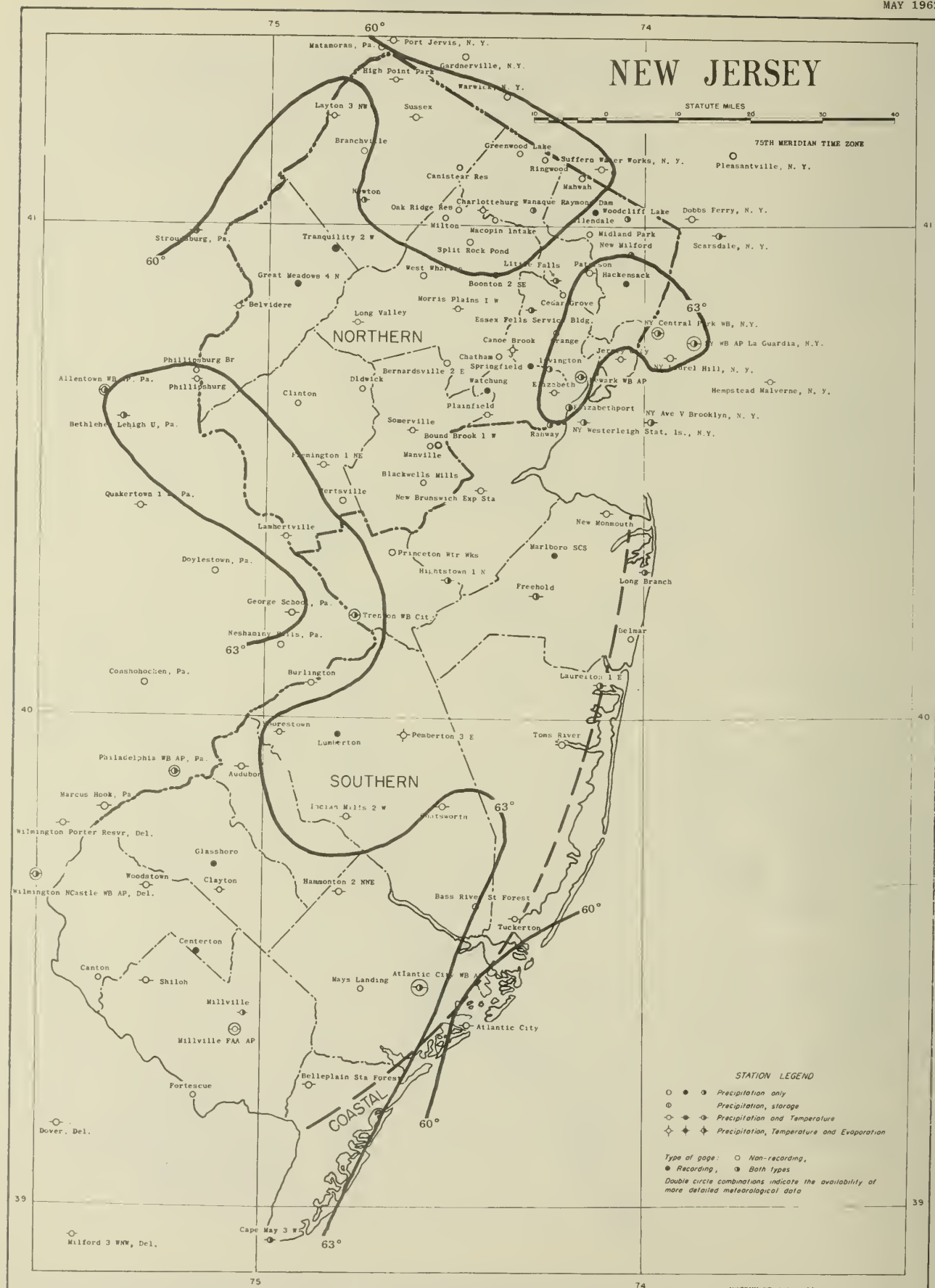
NEW JERSEY
MAY 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
MAY 1962



STATION INDEX

NEW JERSEY
MAY 1962

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL USE NOTES		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID			C HJ	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			J	STATE MARINA
AUDUBON	0346	CANDEL	2	39 54	75 04	50	11P	11P			H	IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					9A	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	-1	39 15	74 52	30	SP	SP				BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19	BA					BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275	SP				H	CLEMENT HAUP
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240	7A					BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27	7A					HENRY H. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A	BA				JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20	8A					AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580	7A					ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	100	BA					NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20	9A					GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	SP					N.WEST MAGNISTE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400	BA					J. A. PLUNKETT
CENTERDINE	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A			H	NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD P. MOLITOR
CHATHAM	1598	BURLINGTON	1	39 49	74 32	100	SP	SP				EARL M. KERCHNER
LAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P			H	HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300	6P					L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	SP	SP				UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MID				C	SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A	BA				BOROUGH ESSEX FELS
FLORINGDON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	SP	SP			H	DONALD YOUNG
FORTESSUE	3102	CUMBERLAND	2	39 14	75 10	5						JOHN LORER
FREMOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C H	FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					C	GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660	7A					GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10					C	BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	BA				W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	BA				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C H	JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P			H	EDWARD ENTWISTLE
IRVINGTON	4240	ESSEX	1	40 43	74 15	120	MID					JOINT MEETING GARAGE
JERSEY CITY	4339	MUON	1	40 44	74 04	135	MID	MID				JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P			H	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID	MID			C H	GEORGE G. WADGILL
LAYTON	4736	SUSSEX	2	41 15	74 52	390	SP	SP				CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A			C H	PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID			C HJ	WILLIAM D. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				H. ARTHUR BARKMAN
MACORIN INTAKE	5055	BURLINGTON	2	39 58	74 48	25					C	JAMES LAMTON
MAHWAH	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61
MANVILLE	5104	BERGEN	8	41 06	74 10	253	7A					ROBERT G. GLASGOW
MARLBORO SCS	5197	SOMERSET	10	40 33	74 34	50	8A					JOHN L. RAGCLIFFE
MATY'S LANDING	5244	MONMOUTH	1	40 20	74 14	120					C	GERDOR BRILL
MIDLAND PARK	5346	ATLANTIC	3	39 27	74 44	10	BA				H	COUNTY EXTENSION SVC.
MILLVILLE	5503	BERGEN	8	40 59	74 09	210	MID					RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MID			C H	L. J. GALLAMER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID			H	FED. AVIATION AGENCY

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL NOTES	
MILTON	5597	MORRIS	8	41 01	74 32	950	7A				JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	BA			H. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A	BA			M. JOSEPH M. GARRIS + 111
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID			C. H. U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	SP	SP			GH. ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12	MID			C	HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	BA		C H	NEWTON WTR. + SWR. COMM.
ONE RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870		BA			NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		BA			DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140	MID			C	COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	BA			P. J. DEL VECCHIO
PENBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	SP	SP		SP	PHILIP E. MARUCCI
PHILLIPSBURG BRIDGE	6974	WARREN	2	40 41	75 12	182	3P	3P		H	SEWAGE DISPOSAL PLANT
	6979	WARREN	2	40 42	75 12	196	9A				JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P		H	MRS. VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60	MID				PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20	MID				RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305	10A				NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	SP	SP			EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P			H. W. E. HAVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800	10A				JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18					C	N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A			BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID		C HJ	U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 34	74 20	10	6P	6P			REV. WALTER T. GANDEK
WANAUQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320	8A			C H	WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-				C H	BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160	7A				ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	7A				N.J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103	MID			C	HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	SP	SP			CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-MUON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

JUNE 1962
Volume 67 No. 6



ASHEVILLE: 1962

THE LIBRARY OF THE
AUG 20 1964
UNIVERSITY OF ILLINOIS

NEW JERSEY - JUNE 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 19th at Burlington

Lowest Temperature: 40° on the 4+ at High Point Park and on the 3rd at Layton

Greatest Total Precipitation: 9.49 inches at Audubon

Least Total Precipitation: 2.07 inches at Irvington

Greatest One-Day Precipitation: 3.40 inches on the 23rd at Audubon

SPECIAL WEATHER SUMMARY

During the night of the 19th and 20th a hailstorm and high winds occurred in the vicinity of Flemington, Hunterdon County. Hail stones were reported as 1 inch in diameter, causing some property damage. Utility lines were damaged by high winds.

On the evening of the 24th, heavy rain and hail fell along the southeast shore of the Delaware River, in the western portions of Salem, Gloucester, Camden and Burlington Counties. From 3 to 5 inches of rain was

measured, with unofficial reports of as much as 8 inches of rain on a few farms. Some hail was reported in the vicinity of Woodstown, Salem County, with crop damage heavy in a small area. Flooding of streets and highways was common.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office,
% General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
JUNE 1962

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											90° or Above	32° or Below	32° or Below	32° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
NORTHERN																								
BELVIOERE		81.2	58.0	69.6	- 1.0	90	18	48	4	8	1	0	0	0	3.78	-.66	.84	15	.0	0		7	4	0
BOONTON 2 SE		79.4	57.3	68.4	.5	90	19	46	4+	17	1	0	0	0	2.88	- 1.01	1.07	6	.0	0		7	1	1
CANOE BROOK		81.0	57.0	69.0	1.0	92	19	46	7	15	3	0	0	0	3.04	.99	.70	6	.0	0		9	2	0
CHARLOTTEBURG		78.6	55.7	67.2	.7	88	19	43	9	32	0	0	0	0	3.07	1.17	.87	24	.0	0		8	2	0
ELIZABETH		82.1	60.2	71.2	.4	93	19	51	3	7	3	0	0	0	4.11	.35	1.00	24	.0	0		10	4	1
ESSEX FELS SERV BLOG		80.6	58.0	69.3		92	19	45	3	20	4	0	0	0	3.92		2.20	6	.0	0		7	1	1
FLEMINGTON 1 NE		85.7	56.4	71.1	.5	95	19	43	4	3	8	0	0	0	4.75	.95	2.19	20	.0	0		7	3	1
HIGH POINT PARK		78.5M	53.8M	66.2M		90	1	40	4+	60	1	0	0	0		.51	12	.0	0		1	0		
JERSEY CITY		78.3	62.4	70.4	.3	91	18	53	14	14	2	0	0	0	4.41	.96	.92	24	.0	0		8	6	0
LAMBERTVILLE		84.1	58.6	71.4	1.3	93	18	48	7+	4	2	0	0	0	2.36	- 1.48	1.34	13	.0	0		4	1	
LAYTON		82.9	54.2	68.6		93	18	40	3	14	4	0	0	0	3.06		1.35	23	.0	0		5	3	1
LITTLE FALLS		83.0	59.0	71.0	1.3	94	19	49	3	8	6	0	0	0	4.00	-.25	1.47	6	.0	0		8	2	1
LONG VALLEY		81.5M	55.9M	68.7M		91	18	45	9+	9	1	0	0	0		2.21	6	.0	0		1	1		
MORRIS PLAINS 1 W		81.4	57.4	69.4		91	19	45	4	13	2	0	0	0	4.34		3.17	6	.0	0		5	1	1
NEWARK WB AIRPORT	R	81.6	63.3	72.5	1.2	94	19+	56	14+	7	6	0	0	0	3.89	.45	1.00	26	.0	0		8	4	1
NEWTON		81.6	54.4	68.0	.6	93	19	42	4	27	4	0	0	0	3.97	-.33	2.05	12	.0	0		7	1	1
PATERSON		82.4	62.3	72.4	1.7	95	19	54	14+	11	7	0	0	0	3.34	-.87	1.16	6	.0	0		5	3	1
PHILLIPSBURG		84.8	58.4	71.6	1.6	93	19	48	3	0	2	0	0	0	3.83	-.43	2.12	12	.0	0		6	1	1
PLAINFIELD		82.3	59.8	71.1	1.2	93	18	49	3	4	5	0	0	0	3.19	- 1.14	.77	24+	.0	0		6	3	0
SOMERVILLE		83.4	57.9	70.7	.9	92	18	48	4	6	2	0	0	0	3.96	.08	1.32	20	.0	0		7	3	1
SUSSEX		79.5	55.1	67.3	- 1.2	90	19	45	4	27	1	0	0	0	3.11	-.98	1.11	24	.0	0		7	2	1
OIVISION				69.8	.6										3.63	-.38			.0					
SOUTHERN																								
ATLANTIC CITY WB AP		80.0	61.1	70.6	.6	94	19	53	29	12	3	0	0	0	4.20	1.37	1.11	12	.0	0		6	4	1
AUDUBON		82.9	61.1	72.0		93	18	54	4	7	3	0	0	0	9.49		3.40	23	.0	0		8	4	4
BELLEPLAIN STA FOREST		82.6	58.2	70.4		93	18	45	29	10	4	0	0	0	3.78	.39	1.40	13	.0	0		8	3	1
BURLINGTON		85.3	63.0	74.2	1.4	97	19	56	29+	0	7	0	0	0	4.63	.98	1.95	24	.0	0		6	3	2
CHATSWORTH		82.7	57.7	70.2		93	19+	45	4	14	4	0	0	0	5.23		2.01	12	.0	0		6	2	2
CLAYTON		83.6	62.2	72.9		93	18	54	4	2	4	0	0	0	2.61		.87	24	.0	0		6	2	0
FRENCHLO		82.4	59.4	70.9	.7	93	18	51	4	9	4	0	0	0	4.99	1.31	1.70	24	.0	0		5	4	2
HAMMONT 2 NNE		82.8	60.8	71.8	.2	95	20	52	29	13	7	0	0	0	4.01	.06	1.54	13	.0	0		6	3	2
HIGHTSTOWN 1 N		82.2	59.1	70.7	.8	91	19+	47	4	11	2	0	0	0	4.26	.43	1.35	12	.0	0		7	3	2
INOIAN MILLS 2 W		82.4	57.2	69.8	- .4	93	18	44	4	16	3	0	0	0	6.43	2.53	1.98	13	.0	0		6	3	3
MILLVILLE		81.4	62.8M	72.1M		93	19	55	29	8	3	0	0	0	3.72		1.30	24	.0	0		6	3	1
MILLVILLE FAA AIRPORT		80.4	61.5	71.0		92	19+	52	29	8	2	0	0	0	3.93		1.14	24	.0	0		7	2	1
MOORESTOWN		81.2	59.8	70.5	.3	92	18	50	4	13	2	0	0	0	7.38	3.82			.0	0				
NEW BRUNSWICK EXP STA		82.2	59.0	70.6	.5	91	18	49	4	9	3	0	0	0	3.92	.29	2.00	23	.0	0		7	2	1
NEW MONMOUTH		81.9	60.0	71.0		92	19+	48	4	12	4	0	0	0	5.75		2.01	24	.0	0		8	3	2
PEMBERTON 3 E		83.1	57.7	70.4	- .6	92	18	45	4	9	4	0	0	0	5.60	1.90	2.81	24	.0	0		4	3	2
SHILOH		82.8	61.5	72.2	.5	92	19	53	3	4	3	0	0	0	3.89	.48	1.30	20	.0	0		6	3	1
TOMS RIVER		81.9	58.8	70.4		94	19+	43	4	16	5	0	0	0	3.99		1.16	13	.0	0		7	3	1
TRENTON WB CITY	R	81.4	62.4	71.9	.9	92	19+	54	4	10	2	0	0	0	4.82	1.22	1.90	12	.0	0		7	4	1
TUCKERTON		79.4	59.9	69.7		90	18+	46	4	22	3	0	0	0	3.69		1.55	13	.0	0		6	3	1
WOODSTOWN		83.9	60.2M	72.1M		93	19	50	7	3	3	0	0	0	5.22		2.13	13	.0	0		5	3	3
OIVISION				71.2	.5										4.84	1.22			.0					
COASTAL																								
ATLANTIC CITY	R	69.1	60.8	65.0	- 4.0	81	18	56	14+	39	0	0	0	0	4.28	1.24	1.21	24	.0	0		4	4	3
CAPE MAY 3 W		79.4M	63.7M	71.6M		90	18	58	15+	3	1	0	0	0	4.24		1.98	13	.0	0		6	3	1
LONG BRANCH	R	79.1	61.1	70.1	1.0	94	19	51	4	15	4	0	0	0	4.70	1.29	1.65	12	.0	0		7	3	2
OIVISION				68.9	- .5										4.41	1.34			.0					

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	S	15	8.7	25++	WSW	19	85	84	56	69	2	3	2	3	1	0	11	58	6.4
LONG BRANCH	S	12	11.1	37	NW	19	-	85	72	58	1	3	4	1	2	0	11	67	4.8
NEWARK WB AIRPORT	SW	17	8.5	35++	N	26	78	74	52	64	5	2	4	3	1	0	15	-	6.6
TRENTON WB CITY	S	-	7.8	25	SW	10	-	-	-	-	2	3	3	3	1	0	12	65	5.9
& 12:00 Noon																			

DAILY PRECIPITATION

NEW JERSEY
JUNE 1962

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC CITY WB AP	4.20			.04		.19						T	1.11	.86	T	.28					.04	.75	.08			.85								
ATLANTIC CITY	4.28			.01		.08						.04	1.01	.76							.02	1.11	.04			1.21								
AUDUBON	9.49					.22							1.79	1.62		.10					T	.34	.26		3.40	1.76								
BASS RIVER ST FOREST	3.18						.14						.45	1.44	.03							.99						.13						
BELLEPLAIN STA FOREST	3.78			.13		.10							.20	1.40		.02						.74	.64				.45	.10						
BELVIERE	3.78	.72				.28	.54						.49	.51	.01	.84					T				.25	.09	.04	.01						
BERNARDSVILLE 2 E	2.72	.67	.02			.02	.63						.50	.18	.40						.07	.08				.11	.04							
BLACKWELLS HILLS	3.87						.38						.97	.48	.28						.44	.26				.70	.30		.06			.29		
BOONTON 2 SE	2.88	.16				.02	.07						.28	.21	.30		.46							T	T	.06	T							
BOUND BROOK 1 W	2.56						.55						.09	.50	.16						.45	.15				.10	.56	T						
BRANCHVILLE	2.72	.43				T	.41						.85	.32	.05											.46		T	.20					
BURLINGTON	4.63					.10	.03						.85	1.15		.30																		
CANISTEAR RESERVOIR	3.42	.11				.06	.41						1.75	.24	.17						T			.04	.12	1.95						.03		
CANOE BROOK	3.04	.37	.01			.01	.70						.50	.34	.20		.12				.29	.08		T		.06	.20		.15	.01				
CAPE MAY 3 W	4.24					.32		.01					.10	1.98	.01	.07					.58	.94				.23								
CEGAR GROVE	4.85	.32				.02	2.27						.49	.30	.24		.16									.20		.85						
CHARLOTTEBURG	3.07	.65				.02	.42						.30	.20	.23		.23								.02	.01	.87	.01	.11					
CHATSWORTH	5.23					.02							2.01	1.95	.02											.27	.41							
CLAYTON	2.61					.12	T						.06	.75	.45												.87	.21					.04	
ELIZABETH	4.11					.14	.50						.63	.56	.15	.10	.01				T			.45	.10	.01	.01	1.00	.01	.44				
ELIZABETHPORT	3.58					.53							.69	.51		.10										.26	.37		.56					
ESSEX FIELDS SERV BLDG	3.92	.19					2.20						.48	.25	.22		.10									.08		.03				.30		
FLEMINGTON 1 NE	4.75	.03	.01			.26	.43						.63	.74	.04	.03					2.19	.02		.02		.21	T	.16	T					
FORTESCUE	2.75			.18		.32							.50	1.00																				
FREEMOHL	4.99					.03	.03						.87	1.31	.04										T	1.70	T	.85						
GREENWOOD LAKE	2.77	.25				.02	.48						.50	.33	.18		.07								.05	.83	.01	.05						
HAMMONTON 2 NNE	4.01					T							1.01	1.54	.01									.05	.86	.01	.18	.20		.15				
HIGH POINT PARK	-					.27	.46						.51	.29	.11	.01	.17								.02		.23		.49					
HIGHTSTOWN 1 N	4.26					.11						T	1.35	1.10	.01	.02									.02		.97	.17	.15					
INOIAN HILLS 2 W	6.43					.02	.04						1.91	1.98	T									.30	.45	T	1.37		.36					
IRVINGTON	2.07					.46							.46	.59	T											.07	.16	.20						
JERSEY CITY	4.41					.55	.06						.51	.53	T	.64					.03	.10				.12	.92	.86						
LANBERTVILLE	2.36		T			.11	.03						.37	1.34	.01	T	.04																	
LAYTON	3.06	.02	.01			.50	.12						.57	.38											T	1.35	.02	.09						
LITTLE FALLS	4.00	.21				.03	1.47						.46	.37	.12		.22							.06		.47	.02	.57						
LONG BRANCH	4.70					.04							1.65	1.02	.01	.33					.20	.01	T	.33	.42		.69							
LONG VALLEY	-					.28	2.21						.36	.39	.14	.02	.02										.13	.02						
NAHAH	4.02	.38				.01	.64						.25	.41	.24		1.04										.71	.24		.09				
NANVILLE	3.18					T	.47						.65	.52	.22												.15	.58						
NAYS LANDING	3.33			.11		.07							.04	1.61	.02		.12								.84		.52							
NIOLANO PARK	4.22					1.60	.03						.27	.50	.02	.51					.07					1.14	.04		.04					
MILLVILLE	3.72			.14		.04						.02	.43	.75	.41						.03	.52	.06			.02	1.30							
MILLVILLE FAA AIRPORT	3.93			.29		.05						.18	.38	.78	T	.47					.06	.49	.06			T	1.14		.03					
MILTON	2.94	.47				.06	.39						.32	.30	.16		.80	.03									.15		.26					
MOORESTOWN	7.38					.09							.70	1.89	.01						.03	.16						4.29	.21					
MORRIS PLAINS 1 W	4.34	.16				.01	3.17						.32	.32	.14		.05								.05	.01	T	.04	.07	1.00	T			
NEWARK WB AIRPORT	3.89	T				.60	.01					T	.54	.48	T	.01											.14	.83						
NEW BRUNSWICK EXP STA	3.92					.08	.22						.41	.68	.02	.02											2.00	.13						
NEW MILFORD	5.47					1.04	.14						.30	.46	.05												2.28	1.06						
NEW MONMOUTH	5.75					.08	.05						.79	1.42	.10	.38	.37								.02	.15	.01	.01	2.01	.01	.88	.39		
NEWTON	3.97	.45				.07	.32						2.05	.27	.12		.42																	
OAK RIDGE RESERVOIR	4.07	.41				.04	.43						.40	.29	.22		1.42																	
OLOWICK	2.31	.24	.01			.04	.50						.64	.52	.21																			
ORANGE	4.88	.35				.12	1.00						.48	.45	.16						.10	.22						.18	1.82					
PATERSON	3.34	.29				.01	1.16						.42	.03	T		.05							T	T		.68	.04	.59					
PENBERTON 3 E	5.60					.08							.85	1.51							.06	.08				2.81	.02	.19						
PHILLIPSBURG	3.83	.40				.29	.39						2.12	.45	T		.18																	
PHILLIPSBURG BRIDGE	3.46	.55	.10			.06	.56						.46	.71	.54	.04	.02	.28										.60						
PLAINFIELD	3.19	T				.28	.22						.65	.77	T													.77	T					
PRINCETON WATER WORKS	4.49					.12							2.60	.69	T	T					T	.20					.36	.15		.37				
RAHWAY	3.72					.27																												

DAILY TEMPERATURES

NEW JERSEY
JUNE 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY W8 AP	MAX	88	84	74	71	72	79	74	84	85	83	87	76	62	65	74	88	90	93	94	75	78	75	82	80	84	82	81	77	81	81	80.0	
	MIN	66	67	56	54	62	60	54	55	58	58	66	62	58	57	57	57	63	68	69	66	65	61	66	68	67	62	63	56	53	59	61.1	
ATLANTIC CITY	MAX	77	72	65	64	63	67	63	75	74	67	69	66	60	60	66	75	80	81	72	69	67	67	68	68	72	71	69	67	69	70	69.1	
	MIN	61	63	57	56	61	58	57	57	60	60	62	59	57	56	58	60	63	66	66	63	63	63	64	63	63	62	63	62	58	63	60.8	
AUGUBON	MAX	91	86	80	81	71	83	82	87	89	89	88	76	62	68	74	89	89	93	92	75	80	82	87	85	87	88	82	83	82	86	82.9	
	MIN	66	67	57	54	63	66	56	55	57	58	67	61	58	57	55	57	60	67	68	68	63	65	60	66	67	63	63	56	55	59	61.1	
BELLEPLAIN STA FOREST	MAX	88	90	85	79	74	80	75	84	86	85	88	85	74	65	73	88	90	93	92	89	80	77	86	84	85	83	80	78	80	81	82.6	
	MIN	62	63	55	50	60	65	46	49	49	58	62	68	60	56	57	53	54	63	65	66	64	58	63	65	66	59	60	52	45	52	58.2	
BELVIOERE	MAX	87	83	76	76	75	80	79	83	83	84	85	80	70	74	73	86	88	90	88	85	78	76	80	80	84	85	81	81	81	84	81.2	
	MIN	60	60	49	48	62	61	49	52	49	53	61	66	56	56	59	55	55	65	63	65	58	63	65	66	65	59	56	54	54	55	58.0	
BOONTON 2 SE	MAX	84	85	77	80	78	68	80	79	82	83	83	84	72	58	73	76	85	85	90	87	75	78	74	79	78	84	84	80	81	80	79.4	
	MIN	58	60	46	46	57	61	51	57	48	52	62	67	56	54	53	54	57	66	63	66	61	61	62	64	62	59	57	53	53	53	57.3	
BURLINGTON	MAX	93	85	89	81	78	83	84	87	85	90	90	88	76	68	73	88	92	95	97	92	80	79	85	85	88	86	86	84	85	86	85.3	
	MIN	64	68	58	56	63	60	58	57	64	62	68	68	58	63	56	61	63	69	69	73	64	64	65	67	66	65	65	59	56	62	63.0	
CANOE BROOK	MAX	89	90	80	79	78	68	81	79	83	83	87	88	72	58	71	78	87	89	92	91	75	79	75	82	79	85	87	82	80	82	81.0	
	MIN	58	62	54	48	56	61	46	54	48	49	66	66	56	54	52	54	52	63	63	64	61	61	63	64	61	57	54	50	60	57.0		
CAPE MAY 3 W	MAX	85	85	83	73	72	77	76	80	81	86	77	73	65	73	83	87	90	88	82	76	75	75	76	76	83	82	79	80	79	81	79.4	
	MIN	65	66	62	58	63	65	61	64	65	67	67	61	58	58	63	67	68	68	68	65	63	65	66	66	62	59	63	59	63	67	63.7	
CHARLOTTEBURG	MAX	85	84	73	78	76	66	79	78	81	82	84	85	70	57	73	75	85	85	88	87	71	78	74	77	77	82	84	80	81	82	78.6	
	MIN	58	59	50	44	49	59	46	50	43	50	62	65	54	53	55	55	63	63	63	62	57	59	60	63	61	55	58	53	51	52	55.7	
CHATSWORTH	MAX	91	85	84	77	72	81	78	86	86	85	87	86	73	63	75	89	89	93	93	92	78	77	86	83	84	86	81	78	80	82	82.7	
	MIN	63	63	52	45	59	65	47	47	51	47	60	67	57	56	50	54	57	62	67	68	63	61	63	65	66	59	58	53	48	56	57.7	
CLAYTON	MAX	85	83	82	84	72	82	80	87	86	87	88	85	72	71	77	87	90	93	90	87	84	82	87	91	85	85	80	80	81	84	83.6	
	MIN	67	62	64	54	63	63	59	56	57	62	67	64	56	57	58	57	59	68	70	69	70	64	61	70	66	64	65	56	57	60	62.2	
ELIZABETH	MAX	88	83	80	80	74	80	78	85	83	88	88	83	65	68	78	88	90	92	93	88	79	72	80	77	83	85	86	80	85	85	82.1	
	MIN	63	64	51	53	62	57	54	57	58	57	67	64	56	55	54	57	60	67	67	66	61	62	66	66	66	64	60	58	57	58	60.2	
ESSEX FELS SERV 8LOG	MAX	90	90	79	80	80	66	82	80	84	82	86	86	70	57	71	73	88	88	92	91	76	80	74	78	79	85	86	81	82	83	80.6	
	MIN	60	60	45	48	60	60	50	54	50	54	66	68	55	54	54	55	54	64	65	67	60	62	63	64	62	65	66	61	54	55	58.0	
FLEMINGTON 1 NE	MAX	91	85	84	83	78	84	85	88	89	88	90	80	72	78	80	89	91	94	95	90	83	83	85	82	90	91	86	85	85	87	85.7	
	MIN	56	59	45	43	62	64	50	51	45	49	67	67	56	55	53	53	53	64	61	61	61	63	64	63	63	58	57	48	50	52	56.4	
FREEHOLD	MAX	90	86	79	78	74	82	80	86	84	89	87	85	65	65	77	89	90	93	92	89	77	76	85	82	85	85	80	77	82	83	82.4	
	MIN	63	63	52	51	61	64	52	54	57	55	57	64	56	55	52	57	63	68	65	68	62	62	63	65	62	63	61	55	55	56	59.4	
HAMMONTON 2 NNE	MAX	89	93	87	82	80	73	82	81	87	90	90	90	74	60	64	76	88	90	94	95	73	78	80	86	85	86	85	81	82	83	82.8	
	MIN	65	65	65	53	61	64	53	54	55	57	64	68	57	56	53	58	62	66	68	69	64	63	64	66	68	63	61	55	52	55	60.8	
HIGH POINT PARK	MAX	90	87	71	72	78	68	76	76	80	81	83	86	63	56	78	74	85	88	89	88	76	77	72	75	89	81	75	80	82	78.5		
	MIN	54	51	40	40	54	54	46	50	57	56	58	57	49	45	50	47	57	62	67	58	52	58	59	62	58	50	54	57	60	62	53.8	
HIGHTSTOWN 1 N	MAX	88	83	80	78	70	81	82	84	88	88	87	84	63	69	75	87	87	91	91	83	81	79	85	84	85	87	80	80	83	84	82.2	
	MIN	62	61	51	47	62	65	54	53	54	55	65	63	56	55	52	56	59	66	67	68	62	62	63	65	67	62	60	53	53	54	59.1	
INOIAN MILLS 2 W	MAX	90	85	80	77	71	83	81	86	88	87	79	67	63	73	88	89	93	92	83	80	78	86	83	85	85	86	81	82	83	85	82.4	
	MIN	63	60	56	44	61	65	47	47	47	49	63	67	57	56	50	53	55	63	63	66	62	62	64	65	63	58	58	52	48	51	57.2	
JERSEY CITY	MAX	87	80	78	72	66	78	76	84	75	85	84	76	60	68	78	89	89	91	90	76	77	69	74	75	82	82	78	73	77	81	78.3	
	MIN	67	61	54	59	60	60	57	60	61	65	67	60	54	53	57	63	73	71	72	66	64	62	65	65	66	65	62	61	62	61	62.4	
LAMBERTVILLE	MAX	88	85	82	83	76	82	82	86	89																							

DAILY TEMPERATURES

NEW JERSEY
JUNE 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SHILOH	MAX	88	85	87	74	71	81	81	85	85	87	85	85	74	65	75	86	88	91	92	90	80	80	85	84	86	84	84	81	80	85	82.8	
	MIN	65	66	53	56	63	64	55	55	56	63	63	68	57	56	57	61	65	68	69	65	63	63	66	65	68	64	63	56	54	58	61.5	
SOMERVILLE	MAX	88	84	80	80	75	83	81	87	88	88	88	84	65	72	79	89	89	92	91	85	81	79	82	81	86	88	84	82	84	87	83.4	
	MIN	58	60	49	48	58	62	51	52	51	52	66	65	56	55	54	54	56	63	64	65	62	63	65	65	65	60	60	52	53	53	57.9	
SUSSEX	MAX	87	87	75	78	78	68	77	78	80	86	86	89	72	60	71	74	80	88	90	88	75	77	78	79	82	80	78	80	82	82	79.5	
	MIN	60	59	47	45	48	60	48	50	47	50	55	64	55	50	55	55	54	50	63	64	56	59	62	65	58	54	54	56	55	56	55.1	
TOMS RIVER	MAX	90	91	80	75	73	76	75	83	82	87	88	84	71	66	74	89	89	94	94	90	78	85	84	84	84	82	80	75	77	78	81.9	
	MIN	62	64	55	43	64	65	50	50	50	51	65	66	56	56	51	54	61	64	70	68	64	64	64	68	68	58	58	54	53	49	58.8	
TRENTON W8 CITY	MAX	89	83	80	78	69	81	81	86	88	85	85	75	60	68	74	88	89	92	92	75	80	79	84	81	86	87	80	80	82	85	81.4	
	MIN	66	63	55	54	62	66	58	58	58	65	68	60	56	56	57	62	67	71	70	67	62	63	66	68	67	66	62	59	61	60	62.4	
TUCKERTON	MAX	90	82	78	70	70	76	72	85	85	83	86	80	73	63	73	83	90	90	88	84	74	76	80	78	81	83	80	74	77	79	79.4	
	MIN	67	66	60	46	63	65	51	54	53	59	66	66	59	55	54	56	61	68	68	68	64	63	60	67	67	61	60	53	49	47	75.9	
WOOSTOWN	MAX	90	86	84	80	75	83	82	87	87	86	87	87	75	67	75	88	89	92	93	85	81	81	87	84	87	87	82	82	82	86	83.9	
	MIN	64	63	58	55	63	62	50	53	54	54	66	66	57	57	55	57	60		64	67	62	64	66	66	67	63	63	57	53	59	60.2	

EVAPORATION AND WIND

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
CANOE BROOK	EVAP	.24	.20	.25	.22	.20	.00	.23	.22	.24	.22	.26	.20	*	*	.13	.04	.22	.25	.23	.22	.04	.17	.10	.07	.01	.17	.15	.24	.20	.14	4.86
	WIND	22	28	32	29	32	17	33	22	20	64	12	34	46	33	13	6	19	20	13	26	6	28	23	16	9	16	11	30	7	20	687
PEMBERTON 3 E	EVAP	.25	.26	.28	.22	.11	.19	.24	.25	.38	.33	.13	.11	.10	.05	.08	.23	.34	.22	.28	.18	.08	.14	.18	-	.04	.23	.28	.23	.19	.44	B6.25
	WIND	29	15	20	22	12	27	24	27	18	41	42	16	91	11	9	29	19	25	14	5	34	28	21	7	6	29	22	11	11	674	
	MAX	96	94	91	89	85	90	90	93	97	93	90	90	80	68	77	95	94	99	99	82	88	87	90	88	97	97	90	93	91	90	90.1
	MIN	76	70	59	57	65	71	63	60	65	63	65	73	60	59	58	63	70	70	73	74	69	67	68	70	71	70	67	61	60	63	66.0

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	77	78	78	76	64	75	77	78	80	79	77	73	68	71	72	80	80	82	81	75	79	78	77	76	83	80	82	82	80	82	77.4	
	MIN	67	68	65	63	62	67	66	65	65	66	68	70	65	64	64	65	67	69	71	70	70	70	69	70	71	71	70	69	70	68	67.5	
2 INCHES	MAX	76	77	77	75	64	75	75	77	78	77	76	72	69	70	71	78	77	80	80	75	77	76	80	74	81	78	79	80	78	80	76.1	
	MIN	67	67	65	63	62	67	67	65	65	66	68	69	65	65	64	65	67	69	70	70	70	70	69	70	70	70	70	69	69	69	67.4	
4 INCHES	MAX	74	74	73	72	65	72	72	73	73	73	73	71	68	68	69	73	74	76	76	73	74	73	73	72	76	76	80	76	75	75	73.1	
	MIN	66	67	65	65	62	66	68	66	65	66	68	68	64	64	64	65	67	69	70	70	69	69	69	69	70	70	70	69	70	69	67.3	
8 INCHES	MAX	70	71	70	69	68	68	69	70	70	70	70	70	68	66	67	69	71	73	73	72	72	71	71	71	72	73	73	72	73	73	70.5	
	MIN	67	68	66	65	67	66	65	66	66	67	68	68	65	64	65	65	67	69	70	70	69	69	69	70	71	71	70	70	70	70	68.4	
16 INCHES	MAX	65	66	65	65	65	65	65	65	66	66	66	66	67	65	65	65	66	67	68	69	69	68	68	69	69	69	70	70	70	70	67.0	
	MIN	64	65	65	64	65	65	64	64	65	65	65	65	66	65	64	64	65	66	67	68	68	67	68	68	68	68	69	69	69	69	66.1	
32 INCHES	MAX	60	61	61	61	61	61	62	62	62	62	62	62	62	63	63	63	62	62	63	64	65	64	65	65	65	65	66	66	66	66	63.1	
	MIN	60	60	61	61	61	61	61	61	62	62	62	62	62	63	63	62	61	62	62	63	63	64	64	64	65	65	65	65	65	65	65	62.7
PLOT #2																																	
1 INCH	MAX	93	96	97	94	74	84	91	97	96	98	93	79	66	77	79	90	93	99	99	79	83	82	83	82	90	87	89	93	92	96	88.4	
	MIN	67	67	62	62	70	66	61	64	68	66	72	66	62	61	60	62	64	70	72	71	68	68	68	69	69	68	66	63	64	65	66.0	
2 INCHES	MAX	92	95	95	93	74	83	90	96	95	97	92	79	66	76	79	89	92	98	98	78	82	81	83	81	89	86	88	92	91	94	87.5	
	MIN	66	68	63	62	70	67	61	64	68	67	72	66	62	61	60	62	65	70	72	71	68	68	68	70	69	68	66	63	64	65	66.2	
4 INCHES	MAX	87	90	90	88	75	81	85	91	90	92	88	78	68	74	76	85	88	93	93	82	81	78	80	79	86	84	85	88	87	90	84.4	
	MIN	69	69	65	64	70	68	63	65	68	69	73	68	62	61	62	63	66	71	73	72	69	69	69	70	69	69	67	65	66	67	67.4	
8 INCHES	MAX	79	81	80	80	76	75	77	81	81	82	81	78	71	70	71	76	79	83	84	82	76	74	75	74	78	78	80	79	81	81	78.0	
	MIN	71	71	69	69	70	69	67	68	70	71	74	70	64	64	64	65	69	72	74	73	70	70	69	70	70	70	69	70	70	70	69.4	

CLIMATOLOGICAL DATA

NEW JERSEY
DELAYED DATA

Station	Temperature													Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Dole	Lowest	Dole	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Dole	Snow, Sleet			No. of Days					
										Max.		Min.						Total	Max. Depth on Ground	Dole	.10 or More	.50 or More	1.00 or More			
										90° or Above	32° or Below	32° or Above	0° or Below													
DECEMBER 1961	39.4	23.0	31.2		59	4	12	30	1042	0	6	26	0	1.47		.57	17	1.3	1	25+	6	1	0			
CLAYTON																										
JANUARY 1962																										
LONG VALLEY	M	19.5M	M				5	31		0			0													

DAILY PRECIPITATION

Station	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DECEMBER 1961																																
CLAYTON		T			.15							.17					.57	.25	T				.15	T		.14	.04			T	1.47	
JANUARY 1962																																
LONG VALLEY					1.45		.08								-					T		.10	.05	.01		.22	.10		.04		-	

DAILY TEMPERATURES

Station		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DECEMBER 1961																																	
CLAYTON	MAX MIN	48 26	52 23	51 21	59 25	55 25	45 27	45 23	37 15	39 21	41 33	45 35	44 36	42 16	34 19	31 24	27 22	35 25	39 34	41 33	40 30	37 25	35 16	33 20	29 23	31 20	33 16	48 24	39 17	27 13	26 12	34 15	39.4 23.0
JANUARY 1962																																	
LONG VALLEY	MAX MIN	35 10	34 16	33 19	43 20	42 23	44 24	48 36	46 24								28	36 16	30 8	32 9	21	12	30	28	10	26	16	31	19	15	42 23	26 5	19.5

CORRECTIONS

MONTH: MARCH 1962

Temperature and Precipitation Extremes Table:
High Point Park

Climatological Data Table:
High Point Park

Daily Precipitation Table:
High Point Park

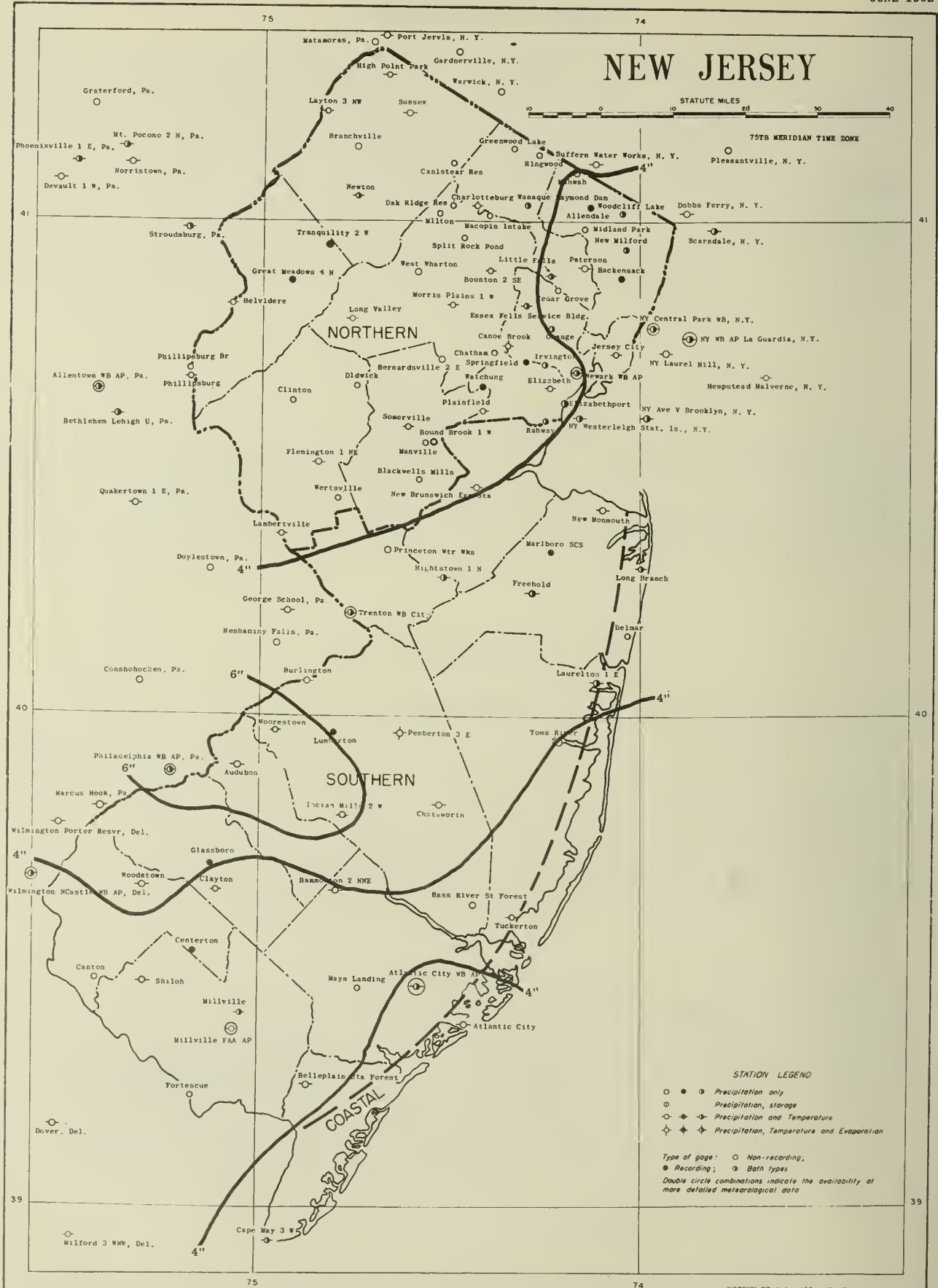
Least total precipitation: 1.55 inches at
High Point Park.

Correct as follows: Total precipitation
should be 1.55; number of days with .10, 3;
.50, 1; 1.00, 0; greatest day of precipita-
tion should be .79 on 12th. Northern Di-
vision average precipitation should be 3.10;
departure from normal, 1.00.

Amount on the 12th should be .79; monthly
total should be 1.55.

TOTAL PRECIPITATION

NEW JERSEY
JUNE 1962

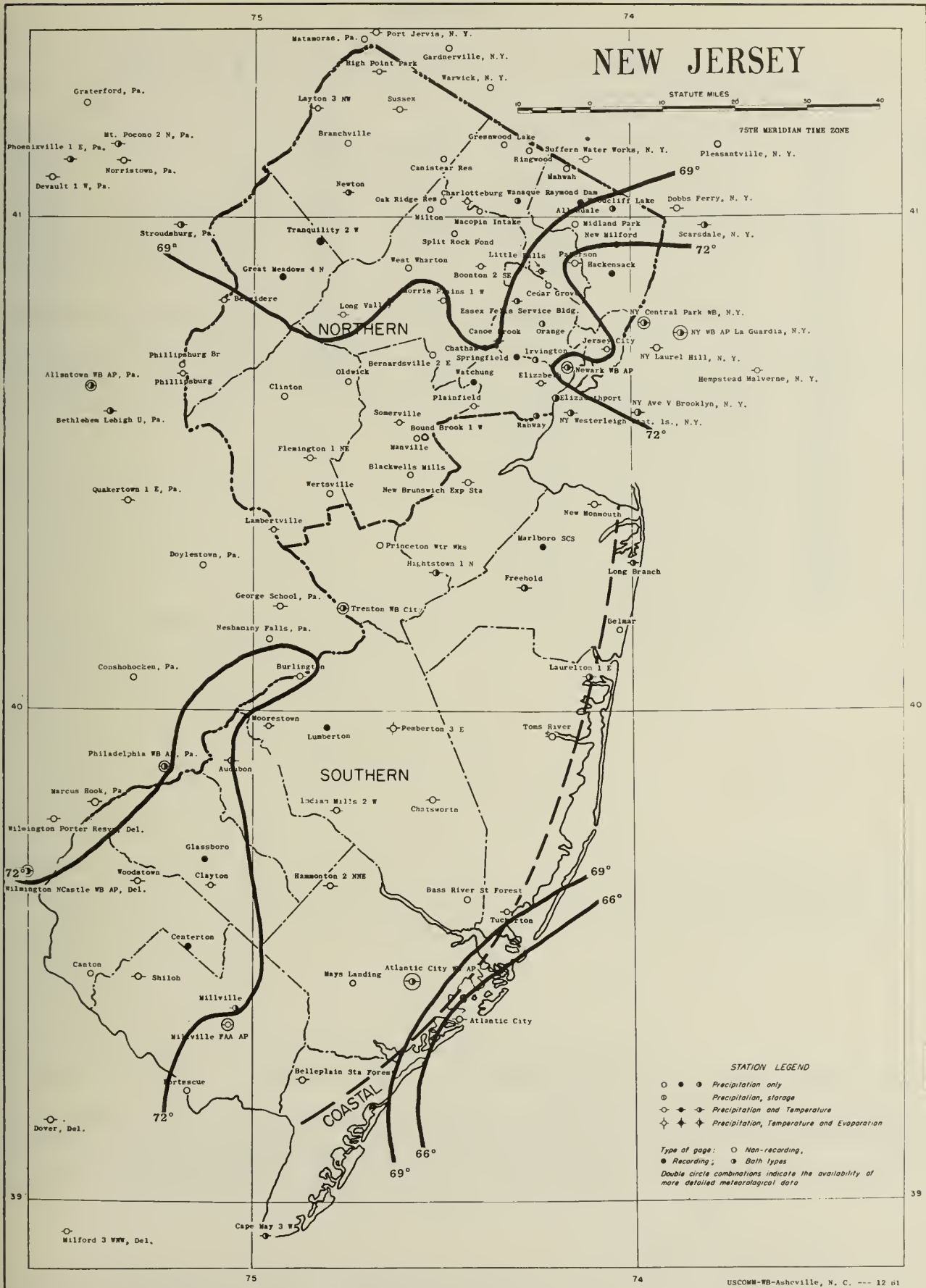


USCOMM-WB-Ashville, N. C. --- 12 61

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

AVERAGE TEMPERATURE

NEW JERSEY
JUNE 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

NEW JERSEY
JUNE 1962

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MIO	MIO			C	H.J. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 36	10	MIO	MIO			C	J. STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P			H	IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					9A	H. N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19					8A	H. BELMAR WATER WORKS
BELVIDERE	0728	WARREN	2	40 50	75 05	275	5P	5P				H. CLEMENT MAUPIT
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240					7A	H. BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27						H. HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A					J. JERSEY CITY WATER WORKS
BOUNO BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20					8A	H. AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580	7A					H. ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				H. PUBLIC SVC. E. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040						H. NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				H. COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20						H. GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P			C	H. N.WEST MAGNESITE CO.
CEGAR GROVE	1472	ESSEX	8	40 52	74 13	400						H. J. A. PLUNKETT
CERTERTON	1512	SALEM	6	39 31	75 10	80					C	H. JOHN HOPKINS UNIT.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A				H. NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					H. EDWARD P. MOLITOR
CHATHAM	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				H. CARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P				H. HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300	6P					H. L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5P	5P				H. UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MIO				C	H. SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A				C	H. BOROUGH ESSEX FELS
FLEMINGTON 1 NE	3020	HUNTERDON	10	40 31	74 51	134	5P				H	H. DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5						H. JOHN LOPER
FREEHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P				C	H. FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					C	H. GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660						H. GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10					C	H. BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	8A				H. W. HUBBARD PARKMURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				H. N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C	H. JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P			H	H. EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	MIO				C	H. JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 04	135	MIO					H. JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P				H. E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MIO	MIO			C	H. GEORGE G. WADILL
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P	5P				H. CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A			C	H. PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MIO	MIO			C	H. WILLIAM O. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				H. ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25					C	H. JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						H. INACTIVE 1/61
MANNAH	5104	BERGEN	8	41 06	74 10	253						H. ROBERT G. GLASGOW
MARVILLE	5197	SOMERSET	10	40 33	74 34	50	8A					H. JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C	H. GEROW BRILL
MAYS LANING	5346	ATLANTIC	3	39 27	74 44	10	9A				H	H. COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MIO				C	H. RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MIO			C	H. L. J. GALLAMER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MIO	MIO			H	H. PEO. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950	7A					H. JERSEY CITY WATER WKS.
MODRESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MIO	8A				H. ST. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A					H. H. JOSEPH M. GARRIS + III
NEARKE WB AIRPORT	6024	ESSEX	1	40 42	74 10	11	MIO	MIO			C	H. U.S. WEATHER BUREAU
NEW BRUNSWICK EX STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P			GH	H. ARTHUR M. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					C	H. HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P				H. ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A				C	H. NEWTON WTR. + SWILCOMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870	8A					H. NEWARK WATER DEPT.
OLWICK	6544	HUNTERDON	10	40 40	74 45	260	8A					H. DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140					MIO	H. COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	160	8A				C	H. P. J. DEL VECCHIO
PERKINSVILLE 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P				H. PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P				H. SEWAGE DISPOSAL PLANT
PHILIPSBURG BRIDGE	7079	UNION	2	40 22	75 12	194						H. JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P				H. MRS. VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	5	40 21	74 40	40						H. PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20	MIO				C	H. RAHWAY VLY. SWG. AUTH.
REARWOOD	7587	PASSAIC	8	41 08	74 18	305	10A					H. NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P				H. EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P				H. W. E. HAYER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800	10A					H. JERSEY CITY O. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18						C	H. N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A				H. BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P				H. TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MIO	7A			C	H. U.S. WEATHER BUREAU
TUCKERTON	8899	UNION	1	39 36	74 20	10	6P	6P				H. REV. WALTER T. GANDER
TRINACQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 36	30	8A				C	H. WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-						H. BONNIE BURN SANITARIUM
WESTVILLE	9363	HUNTERDON	10	40 27	74 46	160	7A					H. ROBERT M. MANNERS
WEST WHARTON	9608	MONMOUTH	8	40 54	74 36	680	7A					H. N.J. POWER + LIGHT CO.
WORMEEN FLY LAKE	9691	MORRIS	11	41 04	73 03	103	MIO					H. HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P				H. CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

151.05
Unit
J

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

JULY 1962

Volume 67 No. 7



THE LIBRARY OF THE
JAN 29 1963
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

NEW JERSEY
JULY 1962

Station		Temperature											Precipitation											
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max. or Min.								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
											90° or Above	80° or Above	70° or Above	60° or Above										
NORTHERN																								
		82.6	57.6	70.1	- 5.0	91	8	50	28+	0	2	0	0	0	2.95	- 2.35	1.57	18	.0	0		4	2	1
		80.9	57.4	69.2	- 3.6	92	9	51	25+	5	1	0	0	0	2.11	- 2.13	1.22	24	.0	0		4	1	1
		83.4	55.5	69.5	- 3.5	95	9	46	28	10	5	0	0	0	2.15	- 2.40	1.46	24	.0	0		3	1	1
		81.5	55.2	68.4	- 2.5	94	9	47	11	9	1	0	0	0	1.44	- 3.29	.76	24	.0	0		5	1	0
		83.6	61.6	72.6	- 3.2	95	8	54	28	0	3	0	0	0	3.00	- 1.51	.93	23	.0	0		4	4	0
		83.5	57.3	70.4		96	9	50	28+	5	5	0	0	0	1.37		.93	24	.0	0		2	1	0
		86.4	56.4	71.4	- 4.0	93	21+	46	4	1	9	0	0	0	2.62	- 1.90	1.16	23	.0	0		5	2	1
		78.6	57.1	67.9		89	8	47	27	20	0	0	0	0	2.78		1.19	24	.0	0		4	2	1
		80.0	64.5	72.3	- 3.0	91	8	59	27	0	2	0	0	0	2.29	- 1.88	1.10	23	.0	0		4	2	1
		85.8	59.0	72.4	- 2.4	94	8	48	28	0	7	0	0	0	2.17	- 2.34	1.15	24	.0	0		5	1	1
		83.3	53.5	68.4		97	8	43	2	8	3	0	0	0	2.89		.82	23	.0	0		6	2	0
		85.6	59.2	72.4	- 2.4	97	9	52	11+	2	9	0	0	0	1.96	- 2.58	.90	23	.0	0		3	2	0
		83.5	54.6	69.1		95	8	45	5	10	3	0	0	0	3.61	- 1.59	1.37	23	.0	0		4	3	1
		83.5	57.0	70.3		95	9	50	25+	2	1	0	0	0	2.15		1.45	24	.0	0		2	2	1
		83.1	64.6	73.9	- 2.4	96	8	57	27	0	3	0	0	0	2.34	- 1.33	1.27	23	.0	0		4	2	1
		83.0	54.1	68.6	- 3.6	97	9	44	2	12	3	0	0	0	2.29	- 2.58	.90	24	.0	0		7	1	0
		87.2	58.9	73.1	- 1.2	97	9+	49	28	0	12	0	0	0	2.29	- 3.00	1.34	24	.0	0		4	1	1
		83.9	60.1	72.0	- 2.9	95	8	51	28	3	7	0	0	0	3.37	- 1.24	1.23	22	.0	0		4	3	2
		85.4	58.5	72.0	- 2.6	96	8	50	28	0	8	0	0	0	3.50	- 1.24	1.68	23	.0	0		4	2	1
		79.9	55.8	67.9	- 5.0	94	9	47	2	11	1	0	0	0	3.91	- 1.16	1.44	24	.0	0		5	3	2
DIVISION				70.6	- 3.4										2.56	- 2.09			.0					
SOUTHERN																								
		82.6	63.1	72.9	- 2.2	91	8	55	28+	0	2	0	0	0	1.72	- 2.00	.47	21	.0	0		6	0	0
		84.0	61.7	72.9		94	8	53	19+	1	5	0	0	0	4.20		1.44	18	.0	0		5	3	3
		84.3	59.5	71.9		93	8	47	28+	1	4	0	0	0	2.96	- .88	.73	30	.0	0		7	3	0
		85.5	62.8	74.2	- 3.0	94	8	54	24+	0	3	0	0	0	3.68	- .56	1.27	18	.0	0		5	4	1
		84.1	58.9	71.5		93	8	47	28	0	2	0	0	0	5.01		1.62	22	.0	0		9	3	1
		83.3	62.1	72.7		89	9+	52	28+	1	0	0	0	0	2.40		.75	24	.0	0		5	1	0
		82.6	60.3	71.5	- 3.4	94	8	52	28+	0	2	0	0	0	1.76	- 2.48	.85	24	.0	0		5	1	0
		84.1	61.4	72.8	- 3.3	96	9	50	4	0	7	0	0	0	3.21	- 1.35	1.45	22	.0	0		5	3	1
		83.3	59.3	71.3	- 3.5	94	8	51	28+	1	3	0	0	0	2.35	- 2.11	1.01	24	.0	0		5	1	1
		83.1	58.1	70.6	- 4.1	93	8	46	4	3	3	0	0	0	3.56	- .71	1.04	23	.0	0		8	3	1
		83.5	63.4	73.5		92	9	54	28+	0	6	0	0	0	2.68		.70	29+	.0	0		7	2	0
		82.9	62.0	72.5		92	8	50	4	0	4	0	0	0	3.13		.80	29	.0	0		7	3	0
		82.5	60.3	71.4	- 3.7	92	8	50	4	2	2	0	0	0	3.18	- .99	1.06	30	.0	0		5	3	1
		83.9	61.3	72.6	- 2.4	93	8	54	28	0	2	0	0	0	2.65	- 1.88	1.06	24	.0	0		3	2	1
		83.3	60.5	71.9		92	8	52	28	1	2	0	0	0	3.80		2.00	23	.0	0		5	2	1
		83.4	58.6	71.0	- 4.5	92	8	48	28+	3	2	0	0	0	4.81	- .16	2.36	23	.0	0		8	3	1
		83.8	62.6	73.2	- 3.2	91	8	52	4	0	4	0	0	0	3.60	- .69	1.19	19	.0	0		6	3	2
		83.3	59.3	71.3		93	8	47	28	1	1	0	0	0	3.54		1.37	23	.0	0		8	2	1
		82.7	63.3	73.0	- 3.0	92	8	55	27	0	3	0	0	0	1.87	- 2.31	.65	23+	.0	0		4	2	0
		82.8	61.5	72.2		91	8	50	4	1	2	0	0	0	4.50		1.65	22	.0	0		10	2	1
		85.2	61.4	73.3		94	8	50	27	0	6	0	0	0	2.48		.68	30	.0	0		5	3	0
DIVISION				72.3	- 3.1										3.19	- 1.15			.0					
COASTAL																								
		77.2	67.1	72.2	- 2.0	86	13	58	4	0	0	0	0	0	2.81	- 1.05	.81	21	.0	0		7	1	0
		81.4	66.1	73.8		88	22	51	24	0	0	0	0	0	3.94		1.60	13	.0	0		6	2	2
		80.8	61.8	71.3	- 3.1	95	7	54	28	0	2	0	0	0	2.40	- 1.85	1.43	23	.0	0		3	2	1
DIVISION				72.4	- 2.2										3.05	- .83			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 9+ at 4 Stations.

Lowest Temperature: 43° on the 2d at Layton.

Greatest Total Precipitation: 5.01 inches at Chatsworth.

Least Total Precipitation: 0.82 inch at Orange.

Greatest One-day Precipitation: 2.48 inches on the 24th at Bernardsville 2 E.

See reference notes following Station Index.

NEW JERSEY
JULY 1962

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1961 - 1962

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
ATLANTIC CITY WB AP	-	-	-	-	-	1.0	7.1	4.6	3.9	T	-	-	16.6
ATLANTIC CITY	-	-	-	-	-	-	-	-	-	-	-	-	-
AUDUBON	-	-	-	-	2.0	6.5	T	12.0	8.0	-	-	-	28.5
BASS RIVER ST FOREST	-	-	-	-	-	-	6.0	-	-	-	-	-	-
BELLEPLAIN STA FOREST	-	-	-	-	-	-	8.0	4.2	T	-	-	-	-
BELMAR	-	-	-	-	-	-	-	-	-	-	-	-	-
BELVIDERE	-	-	-	-	1.6	9.8	.7	11.8	2.5	T	-	-	26.4
BERNARDSVILLE 2 E	-	-	-	-	1.0	-	-	15.0	2.0	-	-	-	-
BLACKWELLS MILLS	-	-	-	-	1.0	-	-	-	-	-	-	-	-
BOOMTOWN 2 SE	-	-	-	-	-	-	-	-	-	T	-	-	-
BOUND BROOK 1 W	-	-	-	-	-	-	-	-	-	-	-	-	-
BRANCHVILLE	-	-	-	-	3.1	12.5	1.2	16.0	4.0	-	-	-	26.8
BURLINGTON	-	-	-	-	-	-	-	-	4.0	-	-	-	-
CANISTEAR RESERVOIR	-	-	-	-	4.0	15.0	1.0	17.0	2.0	1.0	-	-	40.0
CANOE BROOK	-	-	-	-	2.5	16.0	.7	12.5	4.0	-	-	-	35.7
CANTON	-	-	-	-	T	-	.4	2.9	1.0	T	-	-	-
CAPE MAY 3 W	-	-	-	-	-	-	-	-	T	T	-	-	-
CEDAR GROVE	-	-	-	-	-	5.0	.5	15.0	-	-	-	-	-
CHARLOTTEBURG	-	-	-	-	4.3	12.5	.8	18.0	2.8	-	-	-	-
CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-
CHATSWORTH	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAYTON	-	-	-	-	1.5	1.3	.5	8.2	4.5	T	-	-	16.0
CLINTON	-	-	-	-	.5	9.0	T	10.8	2.0	-	-	-	22.3
ELIZABETH	-	-	-	-	1.0	11.7	2.0	11.3	3.3	-	-	-	29.3
ELIZABETHPORT	-	-	-	-	3.6	-	T	-	-	-	-	-	-
ESSEX FELS SERV BLDG	-	-	-	-	.7	-	-	-	-	-	-	-	-
FLEMINGTON 1 NE	-	-	-	-	2.0	15.5	1.5	18.7	10.0	T	-	-	47.7
FORTESCUE	-	-	-	-	-	5.0	-	-	-	-	-	-	-
FREEHOLD	-	-	-	-	T	7.8	T	8.9	6.8	-	-	-	23.5
GREENWOOD LAKE	-	-	-	-	5.5	16.5	1.4	-	1.5	T	-	-	-
HAMMONTON 2 NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGH POINT PARK	-	-	-	-	3.0	14.0	1.8	-	3.0	-	-	-	-
HIGHTSTOWN 1 N	-	-	-	-	T	9.0	.1	11.0	7.5	T	-	-	27.6
INDIAN MILLS 2 W	-	-	-	-	-	6.2	.9	8.7	5.3	T	-	-	21.1
IRVINGTON	-	-	-	-	T	-	-	-	-	-	-	-	-
JERSEY CITY	-	-	-	-	-	-	T	-	T	-	-	-	-
LAMBERTVILLE	-	-	-	-	2.0	11.0	-	8.5	5.5	T	-	-	-
LAYTON 3 NW	-	-	-	-	3.9	12.2	-	-	-	-	-	-	-
LAYTON	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE FALLS	-	-	-	-	4.0	9.1	.7	15.7	.5	-	-	-	30.0
LONG BRANCH	-	-	-	-	T	8.0	2.4	10.7	5.5	T	-	-	26.6
LONG VALLEY	-	-	-	-	3.0	17.0	-	12.8	4.2	.3	-	-	-
MAHWAH	-	-	-	-	3.0	-	1.1	-	1.0	-	-	-	-
MARVILLE	-	-	-	-	2.7	12.0	T	-	3.0	-	-	-	-
MAYS LANDING	-	-	-	-	-	1.2	6.2	6.2	3.0	-	-	-	16.6
MIDLAND PARK	-	-	-	-	6.2	-	-	21.0	-	T	-	-	-
MILLVILLE	-	-	-	-	-	-	-	-	-	T	-	-	-
MILLVILLE FAA AIRPORT	-	-	-	-	T	1.0	4.9	8.0	4.0	T	-	-	17.9
MILTON	-	-	-	-	-	-	-	-	-	-	-	-	-
MOORESTOWN	-	-	-	-	2.0	6.5	1.6	-	8.0	-	-	-	-
MORRIS PLAINS 1 W	-	-	-	-	5.3	15.8	.5	16.5	3.2	T	-	-	41.3
NEWARK WB AIRPORT	-	-	-	-	.8	13.2	1.0	13.1	1.5	T	-	-	29.6
NEW BRUNSWICK EXP STA	-	-	-	-	T	9.5	.5	11.3	5.0	T	-	-	26.3
NEW MILFORD	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MONMOUTH	-	-	-	-	-	8.3	.5	-	3.5	-	-	-	-
NEWTON	-	-	-	-	4.5	-	T	13.1	1.5	T	-	-	-
OAK RIDGE RESERVOIR	-	-	-	-	6.2	13.5	1.8	14.3	4.0	1.5	-	-	41.3
OLDWICK	-	-	-	-	1.1	-	.5	-	-	-	-	-	-
ORANGE	-	-	-	-	-	-	-	-	-	-	-	-	-
PATERSON	-	-	-	-	2.4	10.4	.1	12.6	T	T	-	-	25.5
PEMBERTON 3 E	-	-	-	-	-	7.0	T	7.7	7.0	T	-	-	21.7
PHILLIPSBURG	-	-	-	-	1.0	8.0	T	12.0	-	-	-	-	21.0
PHILLIPSBURG BRIDGE	-	-	-	-	.5	-	-	12.5	-	T	-	-	-
PLAINFIELD	-	-	-	-	2.0	14.5	.7	11.5	4.5	T	-	-	33.2
PRINCETON WATER WORKS	-	-	-	-	1.0	-	-	-	-	-	-	-	-
RAHWAY	-	-	-	-	T	11.1	.4	12.9	2.5	-	-	-	26.9
RINGWOOD	-	-	-	-	4.1	10.5	-	13.9	.3	-	-	-	-
SHILOH	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERVILLE	-	-	-	-	-	10.0	1.2	11.7	2.5	T	-	-	-
SPLIT ROCK POND	-	-	-	-	-	-	-	-	-	-	-	-	-
SUSSEX	-	-	-	-	5.0	-	-	16.0	-	-	-	-	-
TOMS RIVER	-	-	-	-	-	-	2.7	6.5	-	-	-	-	-
TRENTON WB CITY	-	-	-	-	.8	7.9	.5	11.2	4.9	T	-	-	25.3
TUCKERTON	-	-	-	-	-	-	6.0	4.8	1.0	T	-	-	-
WANAQUE RAYMOND DAM	-	-	-	-	3.0	9.5	.7	16.9	.5	-	-	-	-
VERTSVILLE	-	-	-	-	.5	-	-	-	-	-	-	-	-
WEST WHARTON	-	-	-	-	-	-	.4	16.0	2.0	-	-	-	-
WOODCLIFF LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODSTOWN	-	-	-	-	3.0	-	2.0	10.0	5.0	T	-	-	-

DAILY TEMPERAT URES

NEW JERSEY
JULY 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX MIN	85 65	78 63	81 58	81 55	82 60	77 60	89 66	91 69	89 70	85 63	86 60	84 68	89 70	80 65	86 63	77 67	77 61	78 55	85 61	90 63	88 70	86 65	84 63	80 63	75 64	85 65	78 56	83 55	76 63	74 65	81 65	82.6 63.1
ATLANTIC CITY	MAX MIN	77 64	70 64	71 60	71 58	71 61	72 63	81 68	77 71	82 69	80 65	78 64	76 70	86 70	78 68	79 68	77 70	74 69	74 66	82 66	81 69	79 72	84 71	81 69	77 69	74 72	82 68	77 62	75 64	74 68	76 69	77.2 67.1	
AUOUBON	MAX MIN	89 61	85 61	81 60	84 53	81 60	83 56	90 64	94 68	91 71	86 63	90 59	88 67	89 63	81 63	87 63	73 66	75 59	75 57	86 53	90 61	89 71	88 67	85 64	81 61	78 60	84 66	78 66	84 54	74 53	80 63	85 63	84.0 61.7
BELLEPLAIN STA FOREST	MAX MIN	88 62	83 63	78 58	81 47	82 52	82 52	89 63	93 67	89 72	87 57	91 52	86 63	90 60	85 61	82 61	75 65	79 51	86 55	89 62	85 69	89 72	87 63	85 61	83 57	80 56	84 68	82 48	83 47	80 57	74 63	85 60	84.3 59.5
BELVIOERE	MAX MIN	86 58	84 50	82 52	80 51	80 51	80 55	88 55	91 60	90 71	86 59	86 51	85 60	89 61	86 59	86 56	83 51	78 52	76 60	83 54	84 54	85 67	85 62	78 59	76 59	78 52	81 62	78 51	79 50	79 56	78 64	82 65	82.6 57.6
BOONTON 2 SE	MAX MIN	85 59	86 51	82 52	79 54	80 52	76 55	79 56	87 59	92 66	88 61	83 51	85 59	82 62	85 54	78 54	84 59	77 62	74 56	65 58	84 55	85 59	85 59	82 58	78 54	75 51	78 58	80 54	75 54	81 57	79 61	79 61	80.9 57.4
BURLINGTON	MAX MIN	86 58	89 64	85 65	83 63	87 62	89 65	92 64	94 67	87 67	86 61	86 54	82 69	87 60	85 66	86 62	85 67	84 66	88 60	87 66	90 70	88 63	89 65	88 54	85 62	87 62	82 56	85 56	82 61	79 62	84 64	85.5 62.8	
CANOE BROOK	MAX MIN	86 56	87 47	85 49	80 55	83 51	76 52	82 54	90 57	95 69	92 58	86 54	90 58	86 55	88 53	80 53	87 54	79 55	75 55	65 51	86 60	89 58	90 61	83 58	80 58	77 50	80 51	83 58	78 46	85 56	83 60	80 61	83.4 55.5
CAPE MAY 3 W	MAX MIN	81 66	86 68	78 67	78 57	79 60	77 66	86 68	85 71	85 71	87 69	84 70	82 69	83 67	83 68	85 64	78 68	74 66	75 58	80 67	85 69	86 71	88 66	84 51	74 65	83 68	83 65		80 67	74 65	78 64	81.4 66.1	
CHARLOTTEBURG	MAX MIN	84 56	85 48	81 50	80 50	80 52	75 52	80 54	89 59	84 67	89 57	82 47	86 55	86 60	84 59	77 57	83 51	79 59	73 51	80 54	85 51	87 59	85 60	83 57	75 58	78 48	80 54	75 53	82 51	81 54	80 61	81.5 55.2	
CHATSWORTH	MAX MIN	88 58	89 59	84 54	80 49	80 59	78 51	88 58	93 62	90 70	89 58	89 62	86 53	89 63	89 61	86 58	84 63	74 63	77 53	85 59	89 56	88 67	86 64	84 62	82 60	77 57	83 64	77 52	83 54	82 57	78 63	80 60	84.1 58.9
CLAYTON	MAX MIN	87 61	87 66	80 55	80 53	81 61	83 62	87 65	89 68	89 75	86 56	86 59	86 68	88 68	83 61	85 64	82 66	73 66	71 58	84 58	87 67	86 71	83 65	82 61	79 59	87 64	81 52	83 61	76 61	82 60	83.3 62.1		
ELIZABETH	MAX MIN	87 63	84 59	86 61	82 58	75 59	80 51	89 58	95 59	92 66	88 58	90 62	85 53	89 63	85 58	89 65	82 64	73 61	71 54	85 59	86 59	89 68	87 64	78 60	75 61	80 57	85 68	77 55	85 54	84 62	80 64	83.6 61.6	
ESSEX FELLOES SERV BLDG	MAX MIN	87 54	87 50	85 53	80 55	83 53	76 53	81 58	90 60	96 66	92 60	88 51	90 61	84 61	89 55	82 55	88 60	79 62	88 56	85 56	88 54	90 61	84 60	79 58	77 52	81 60	83 52	78 50	84 56	82 60	83 63	83.5 57.3	
FLEMINGTON 1 NE	MAX MIN	89 56	88 52	86 52	85 46	84 52	85 55	93 58	92 62	92 66	88 58	92 59	84 59	91 60	82 60	83 53	79 56	93 63	89 64	93 63	91 60	83 57	80 57	82 60	78 51	83 66	78 49	86 56	84 63	87 61	86.4 56.4		
FREEHOLO	MAX MIN	85 60	83 59	80 57	81 54	76 55	80 52	86 58	94 65	91 70	86 60	86 58	84 65	88 60	85 62	85 58	80 66	75 64	75 55	86 57	86 59	89 68	84 63	79 65	77 60	78 66	78 52	82 52	78 62	78 60	82 60	82.6 60.3	
HAMMONTON 2 NNE	MAX MIN	84 61	87 61	84 61	80 50	86 59	81 53	83 58	90 68	96 73	91 62	86 58	91 67	87 67	90 66	80 62	88 65	75 64	78 59	87 60	85 66	92 67	87 60	85 60	78 60	76 65	84 52	79 54	84 61	75 62	84.1 61.4		
HIGH POINT PARK	MAX MIN	82 61	83 52	83 56	81 55	80 52	73 51	84 58	89 62	83 68	86 54	82 55	85 64	81 61	81 59	72 55	82 56	74 55	69 56	63 56	82 55	83 60	79 50	72 53	75 62	77 62	77 47	71 50	78 56	74 59	77 61	78.6 57.1	
HIGHTSTOWN 1 N	MAX MIN	86 59	83 56	78 46	82 51	76 56	82 52	91 66	94 71	91 68	86 60	89 53	86 64	88 62	81 58	87 58	76 64	73 54	85 57	89 54	87 68	87 66	81 58	78 56	82 66	77 54	81 59	77 63	84 59	81 63	80 60	84.3 59.3	
INOIAN MILLS 2 W	MAX MIN	88 55	84 56	82 55	85 46	82 57	82 48	89 64	93 71	90 71	85 60	90 50	87 62	88 60	80 56	77 59	74 63	77 49	84 56	89 56	88 60	85 63	83 60	78 57	73 66	83 51	77 66	77 48	82 58	76 62	77 59	83.1 58.1	
JERSEY CITY	MAX MIN	85 68	84 61	74 64	78 61	71 62	76 63	86 66	91 68	90 71	85 63	86 65	83 70	87 69	83 64	76 66	70 63	66 60	85 65	80 65	86 72	83 68	74 61	74 64	73 60	83 64	78 59	80 62	76 66	77 65	75 66	80.0 64.5	
LAMBERTVILLE	MAX MIN	89 59	88 53	85 54	84 50	82 55	83 52	92 61	94 63	91 74	88 60	90 52	88 62	91 60	87 58	88 56	80 56	77 57	90 60	88 56	84 57	80 63	84 59	80 63	84 59	80 58	84 53	85 48	83 59	79 64	86 65	85.8 59.0	
LAYTON	MAX MIN	87 56	84 43	83 46	84 52	83 45	84 51	91 51	97 50	94 68	85 52	85 44	81 56	84 61	84 55	83 56	79 57	75 56	84 54	87 49	83 59	79 54	76 57	80 50	76 65	80 44	78 45	83 53	78 45	84 59	84 62	83.3 53.5	
LITTLE FALLS	MAX MIN	90 60	89 52	86 54	83 57	84 56	79 57	83 60	92 62	97 67	93 62	88 52	90 60	87 63	92 61	83 58	88 60	79 63	76 58	69 57	89 56	91 66	91 61	84 60	81 58	80 53	85 67	85 54	80 50	86 59	84 62	82 64	85.6 59.2
LONG BRANCH	MAX MIN	86 62	82 65	75 59	77 52	72 60	80 65	95 90	92 86	86 73	84 58	86 68	82 66	85 61	84 64	72 61	73 61	72 58	85 60	88 59	82 61	77 59	77 61	76 58	73 55	83 58	75 54	84 54	78 61	77 65	78 63	80.8 61.8	
LONG VALLEY	MAX MIN	86 54	85 47	80 46	83 46	80 52	81 52	90 58	95 60	90 62	86 55	89 46	87 55	89 57	84 60	87 56	82 57	78 54	72 54	84 54	88 62	87 59	79 56	75 58	78 46	81 55	78 49	82 47	81 53	81 62	85 63	83.5 54.6	
MILLVILLE	MAX MIN	84 63	88 65	83 63	77 55	83 61	84 58	90 65	90 70	92 74	85 63	90 60	87 68	87 69	89 66	80 63	75 66	74 57	87 60	87 62	85 63	90 67	87 63	78 61	85 65	79 61	75 54	84 54	78 65	76 64	75 64	83.5 63.4	
MILLVILLE FAA AIRPORT	MAX MIN																																

DAILY TEMPERAT URES

NEW JERSEY
JULY 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	84	84	80	82	80	77	81	87	94	86	81	83	81	81	74	80	79	74	66	82	85	86	81	77	73	78	80	72	75	81	74	79.9
	MIN	57	47	49	54	50	52	55	59	62	60	50	52	61	61	56	55	60	59	58	52	55	62	60	58	50	51	53	50	52	65	66	55.8
TOMS RIVER	MAX	88	88	77	79	76	77	85	93	87	86	89	88	87	89	84	83	72	76	82	85	87	84	86	86	85	80	78	86	84	76	80	83.3
	MIN	58	58	56	59	58	52	64	64	71	62	51	65	61	59	61	61	64	53	60	57	57	64	61	60	56	67	50	47	59	64	59	59.3
TRENTON WB CITY	MAX	88	84	78	83	76	82	91	92	90	86	88	83	89	79	87	74	73	72	86	89	89	86	83	79	76	83	77	83	78	78	82	82.7
	MIN	65	62	62	58	62	58	67	70	69	64	63	70	66	62	61	64	62	59	58	64	71	69	63	62	63	62	55	58	64	63	66	63.3
TUCKERTON	MAX	86	80	79	79	79	76	85	91	89	89	85	84	90	88	84	83	74	75	87	87	87	87	83	84	77	85	81	81	78	75	80	82.8
	MIN	61	60	56	50	60	57	65	69	72	58	54	69	66	62	61	65	64	53	60	60	71	66	65	61	58	68	53	54	64	64	61	61.5
WOODSTOWN	MAX	88	88	79	83	84	83	91	94	91	89	89	89	91	89	87	78	75	74	87	91	91	87	85	85	79	84	83	83	79	80	84	85.2
	MIN	59	64	59	51	60	56	67	68	73	61	55	66	67	60	61	66	66	55	56	61	68	63	64	59	60	68	50	52	61	65	63	61.4

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1961 - 1962

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
ATLANTIC CITY WB AP	0	0	29	226	525	920	977	860	763	392	134	12	4818	4741
ATLANTIC CITY	0	0	10	155	435	798	919	847	768	432	202	39	4605	
AUDUBON	0	0	27	211	509	937	991	907	720	369	113	7	4791	
BELLEPLAIN STA FOREST	0	4	43	223	518	933	982	854	751	395	119	10	4832	
BELVIDERE	1	5	58	279	602	1066	1166	1045	813	441	138	8	5622	
BOONTON 2 SE	0	6	63	300	625	1052	1162	1083	831	464	196	17	5799	
BURLINGTON	0	0	15	192	490	924	971	936	705	318	87	0	4638	
CANOE BROOK	1	6	61	310	633	1084	1160	1073	856	486	204	15	5889	
CAPE MAY 3 W	0	0	10	132	428	795	886	834	730	383	101	3	4302	
CHARLOTTEBURG	9	11	68	331	656	1083	1215	1125	905	510	233	32	6178	
CHATSWORTH	0	4	47	232	512	970	1001	903	774	431	141	14	5029	
CLAYTON	0	1	34	287	586	1042	1032	935	774	381	121	2	5195	
ELIZABETH	0	1	31	195	547	1002	1070	958	724	388	121	7	5044	
ESSEX FELS SERV BLDG	0	4	63	301	644	1058	1160	1060	834	462	200	20	5806	
FLEMINGTON 1 NE	0	4	61	256	582	1037	1103	1020	792	440	158	3	5456	
FREEHOLD	0	1	39	223	538	960	1016	953	768	417	155	9	5079	
HAMMONTON 2 NNE	0	0	37	234	526	967	1038	941	760	380	141	13	5037	
HIGH POINT PARK	15	34	91	393	765	1148	1314	1228	1010	572	206	60	6836	
HIGHTSTOWN 1 N	0	2	53	237	553	989	1034	973	754	401	154	11	5161	
INDIAN HILLS 2 W	0	5	55	272	580	1006	1029	952	781	434	163	16	5293	
JERSEY CITY	0	1	38	242	577	976	1053	975	755	437	161	14	5229	
LAMBERTVILLE	0	2	44	222	541	995	1074	977	768	422	135	4	5184	
LAYTON 3 NW	5	7	89	324	667	1125	1220							
LAYTON											179	14		
LITTLE FALLS	0	2	33	247	548	976	1079	1005	769	430	151	8	5248	
LONG BRANCH	0	0	31	225	525	926	1006	935	757	444	183	15	5047	
LONG VALLEY	2	6	74	318	623	1098		1049	829	480	180	9		
MILLVILLE	0	0	22	238	501	928	1026	899	723	373	123	8	4841	
MILLVILLE FAA AIRPORT	0	0	31	245	539	967	1017	894	754	401	126	8	4982	
MOORESTOWN	0	2	44	263	551	988	1035	953	744	423	158	13	5174	
MORRIS PLAINS 1 W	7	4	56	287	619	1067	1159	1068	831	463	195	13	5769	
NEWARK WB AIRPORT	0	0	21	200	526	960	1052	963	705	393	120	7	4947	5252
NEW BRUNSWICK EXP STA	0	2	47	228	548	993	1056	976	775	412	147	9	5193	
NEW MORMOUTH	0	0	29	188	506	940	992	949	745	393	146	12	4900	
NEWTON	11	9	81	366	674	1107	1241	1155	893	511	206	27	6281	
PATERSON	0	2	28	214	527	952	1052	1011	748	393	142	11	5080	
PEMBERTON 3 E	0	4	47	242	538	994	1009	932	770	411	150	9	5106	
PHILLIPSBURG	0	2	44	241	531	979	1092	983	756	400	125	0	5153	
PLAINFIELD	0	1	37	219	545	983	1046	966	748	413	155	4	5117	
SHILOH	0	0	31	210	510	911	971	909	734	367	100	4	4747	
SOMERVILLE	0	3	48	263	578	1036	1118	1005	785	452	151	6	5445	
SUSSEX	7	15	75	357	690	1115	1248	1184	902	508	205	27	6333	
TOMS RIVER		2	31	221	538	926	983	909	756	426	154	16		
TRENTON WB CITY	0	0	34	226	532	957	1031	950	722	386	134	10	4982	5068
TUCKERTON	4	4	43	221	519	920	979	886	766	416	157	22	4937	
WOODSTOWN	0	0	35	218	482	986	1003	945	736	372	102	3	4882	

NEW JERSEY
JULY 1962

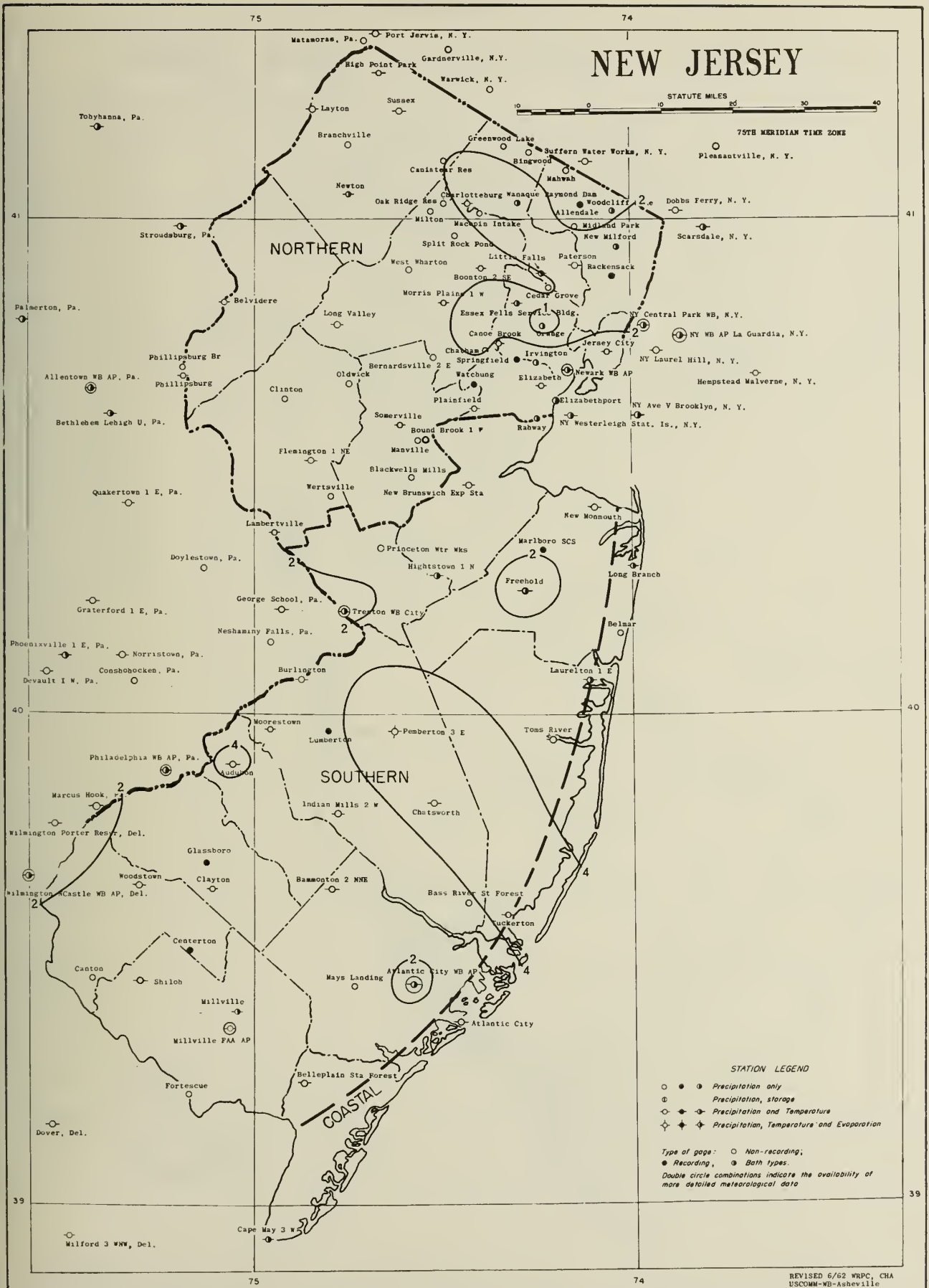
Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

Station		Day of month																															Total or Avg.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CANOE BROOK	EVAP WIND	.19 13	.30 27	.24 28	.18 24	.22 16	.15 20	.13 16	.27 27	.22 28	.29 58	.28 37	.21 14	.06 12	.28 40	.06 7	.26 21	.09 17	.13 3	* 17	.18 28	.22 26	.18 26	.15 8	.13 17	.17 36	.13 34	.27 47	.22 41	.14 5	.21 36	.10 10	5.66 739	
PEMBERTON 3 E	EVAP WIND	.27 12	.24 17	.23 16	.20 10	.23 25	.17 26	.24 13	.18 19	.21 66	.35 50	.37 14	.07 7	.27 35	.27 19	.19 6	.20 13	.06 6	.10 47	.12 10	— 14	.22 14	.26 34	.22 15	— 20	.24 39	.10 21	.33 57	.15 40	.26 34	.07 14	.06 11	.11 4	86.01 704

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	S	12	9.1	35++	W	23	81	81	52	63	3	6	6	0	0	0	15	64	5.8
LONG BRANCH	S	11	10.3	58	NW	23	-	80	58	62	3	3	1	1	1	0	9	66	4.6
NEWARK WB AIRPORT	SW	17	8.6	35++	NNW	22	70	69	47	54	2	2	2	1	1	0	8	-	5.9
TRENTON W8 CITY	S	-	8.0	24	NW	27+	-	-	-	-	4	3	2	2	0	0	11	59	6.0

TOTAL PRECIPITATION

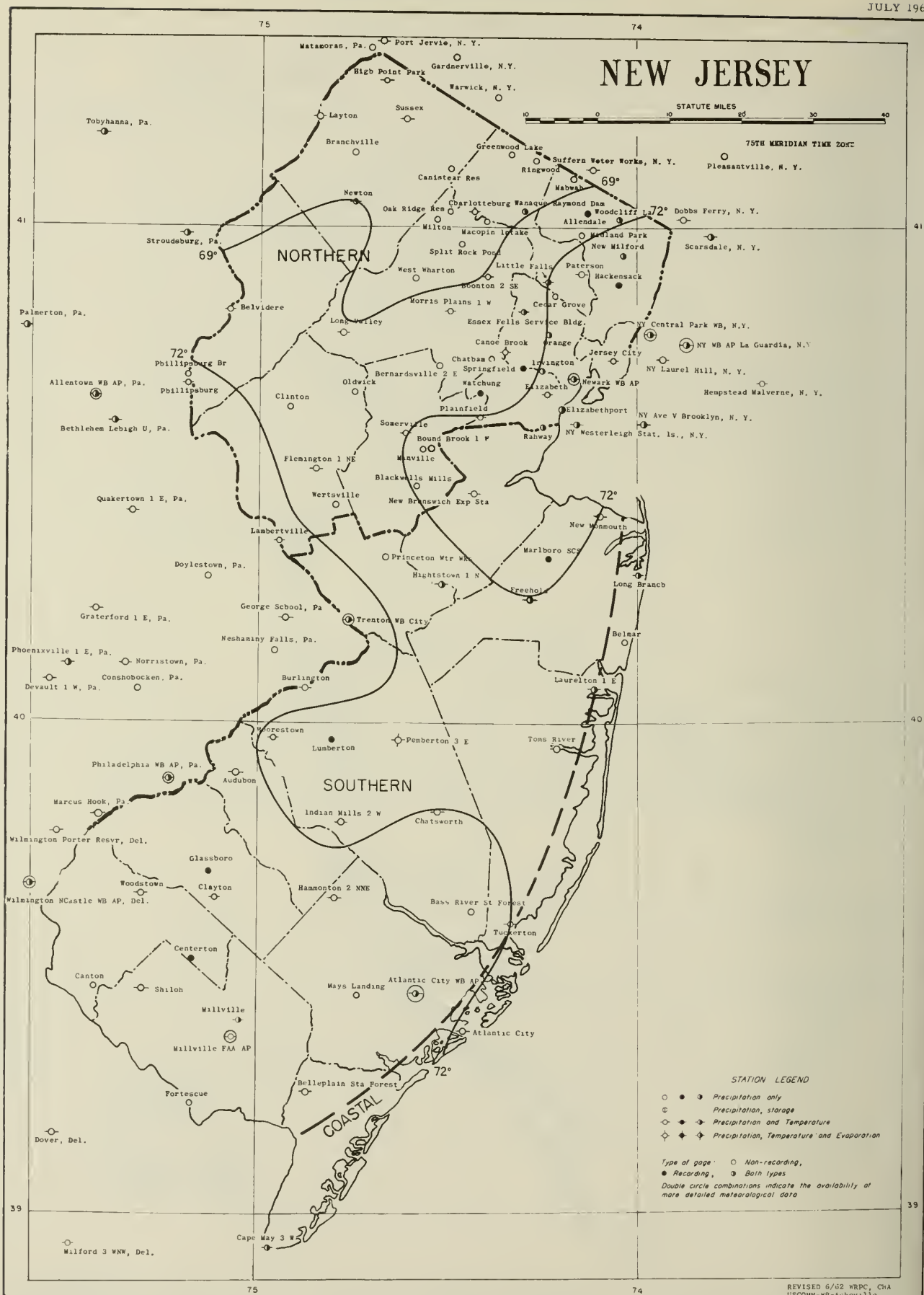
JULY 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

AVERAGE TEMPERATURE

JULY 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

STATION INDEX

NEW JERSEY
1962

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL NOTES		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	50	MID	MID			C	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			C	J. STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P			C	IRVIN J. HYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					9A	H. N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	SP	SP				BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1	40 10	74 02	19					8A	BELMAR WATER WORKS
BEVERLY	0729	WARREN	2	40 50	75 05	275	SP	SP			M	CLEMENT HAURY
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240					7A	BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27					7A	HENRY M. MILLER
BLOOMING 2 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BOND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20					8A	AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580					7A	ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P					PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040					9A	NEWARK WATER DEPARTMENT
CANDE BROOK	1335	ESSEX	8	40 45	74 21	180	9A				9A	COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20					9A	GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	SP				C	N.WEST MAGNETITE CO.
CEAR GROVE	1472	ESSEX	8	40 52	74 13	400					8A	J. A. PLUNKETT
CENTERTON	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A				H	NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD P. HOLTER
CHATSORTH	1598	BURLINGTON	1	39 49	74 32	100	SP					EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P				M	HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300					6P	L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	SP					UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	1	40 38	74 12	10					MID	SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A				C	BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	SP				H	DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5					7A	JOHN LOSER
FREEMOLD	3181	MONMOUTH	10	40 15	74 17	194	6P				C	FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					C	GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 05	74 20	660					7A	GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10					C	BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A				8A	N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P				C	JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P				M	EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120					C	JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 04	135	MID					JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P				H	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID				C	GEORGE G. WOODILL
LAYTON	4736	SUSSEX	2	41 15	74 52	350	SP					CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A				C	PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID				C	WILLIAM O. MARTIN JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P				H	ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25					C	JAMES LAWTON
MACPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61
MANHAW	5104	BERGEN	8	41 06	74 10	253					7A	ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10	40 33	74 34	50						JOHN L. RADCLIFFE
MARBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C	GEROW BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10					9A	COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MID				C	RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A				C	L. J. GALLAGHER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID				H	FED. AVIATION AGENCY

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL NOTES	
HILTON	5597	MORRIS	8	41 01	74 32	950	7A				JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A			M. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A	8A			M. JOSEPH M. GARRIS III
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID			U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	SP	5P			ARTHUR M. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					C
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			C
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C
OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870		8A			C
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A			C
ORANGE	6560	ESSEX	8	40 47	74 14	140					MID
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A			C
PENBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	SP	5P			SP
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P			M
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196		9A			C
PLAINFIELD	7079	UNION	10	40 36	74 25	120	6P	8P			M
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60					MID
RAHWAY	7393	UNION	9	40 36	74 15	20					MID
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305					10A
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	SP	5P			C
SOMERVILLE	8194	SOMERSET	10	40 36	74 37	75	6P	6P			M
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800		10A			C
SPRINGFIELD	8423	UNION	1	40 43	74 18	-					C
SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A			C
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P			C
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	54	MID	MID			C
TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P			M
WANAUKE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320		8A			C
WATCHUNG	9271	UNION	8	40 40	74 25	-					C
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160		7A			C
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680					C
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103					C
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	SP	5P			C
				</							

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

587.03
UNNT

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

AUGUST 1962

Volume 67 No. 8



THE LIBRARY OF THE

OCT 17 1962

UNIVERSITY OF MARYLAND

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 20th at Shiloh.

Lowest Temperature: 40° on the 19th at Newton.

Greatest Total Precipitation: 13.52 inches at Audubon.

Least Total Precipitation: 0.74 inch at Shiloh.

Greatest One-day Precipitation: 4.85 inches on the 28th
at Pemberton 3 E.

SPECIAL WEATHER SUMMARY

The Oradell-Emerson Tornado

A confirmed tornado formed south-southwest corner of Borough of Oradell and moved north-northeast at a very rapid rate, terminating in the eastern sector of Borough of Emerson. A second funnel crossed the Oradell reservoir and joined the main funnel in the vicinity of the Emerson School. Damage was comparatively minor except for a new school under construction in Emerson. Roofs were blown from two buildings, and in one building, all four walls were blown out. Many trees were uprooted, some as tall as ninety feet, with diameters to two and one-half feet.

Trees and debris were carried into the air to over one hundred feet. No residences were destroyed or severely damaged.

Donald V. Dunlap
State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
AUGUST 1962

Station		Temperature											Precipitation											
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max.		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
											90° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																								
BELVIDERE		79.8	58.4	69.1	- 3.8	87	20	49	19	14	0	0	0	0	4.23	- .76	1.65	7	.0	0		8	1	1
BOONTON 2 SE		78.9	57.9	68.4	- 2.4	88	21	48	24	19	0	0	0	0	5.14	.21	1.60	28	.0	0		10	4	1
CANOE BROOK		80.8	57.1	69.0	- 2.1	91	21	49	24+	20	1	0	0	0	5.79	.56	2.65	28	.0	0		10	3	2
CHARLOTTEBURG		78.8	55.7	67.3	- 1.9	88	21	47	24+	31	0	0	0	0	4.71	- .25	1.32	28	.0	0		11	3	1
ELIZABETH		82.9	61.4	72.2	- 1.9	94	8	55	24+	7	4	0	0	0	4.24	- .73	1.90	28	.0	0		7	3	1
ESSEX FELS SERV BLDG		80.9	58.1	69.5		94	21	50	24+	18	2	0	0	0	5.85		2.25	28	.0	0		10	3	1
FLEMINGTON 1 NE		84.4	57.3	70.9	- 2.5	96	20	46	24	8	6	0	0	0	4.84	- .18	2.63	28	.0	0		7	3	1
JERSEY CITY		77.6	63.3	70.5	- 3.3	90	20	55	11	9	1	0	0	0	7.68		1.98	28	.0	0		10	6	2
LAMBERTVILLE		84.4	60.1	72.3	- 0.7	93	20	50	24+	5	4	0	0	0	6.11	.97	1.64	28	.0	0		6	5	3
LAYTON		81.9	56.2	69.1		92	20	45	19+	16	3	0	0	0	4.54		1.16	7	.0	0		9	4	1
LITTLE FALLS		82.8	59.8	71.3	- 1.5	93	21	52	24+	11	4	0	0	0	5.62	.53	2.02	28	.0	0		9	3	1
LONG VALLEY		81.2	55.8	68.5		90	20	45	24	21	1	0	0	0	6.21	1.15	1.98	28	.0	0		9	6	2
MORRIS PLAINS 1 W		81.4	57.6	69.5		90	31+	48	12	15	2	0	0	0	5.17		1.33	28	.0	0		9	3	2
NEWARK WB AIRPORT		80.9	64.8	72.9	- 1.5	93	20	57	11+	7	2	0	0	0	5.73	1.30	1.53	28	.0	0		8	5	1
NEWTON		81.5	54.8	68.2	- 1.9	91	21	40	19	26	1	0	0	0	4.37	- .17	1.21	28	.0	0		10	2	1
PATERSON		81.6	62.1	71.9	- 1.7	90	21+	55	11	9	2	0	0	0	7.90	3.03	2.40	28	.0	0		9	6	3
PHILLIPSBURG		83.9	59.5	71.7	- 0.7	92	21+	50	24+	4	4	0	0	0	6.32	1.28	2.35	7	.0	0		9	4	3
PLAINFIELD		82.1	60.2	71.2	- 1.9	92	20	51	12	5	1	0	0	0	6.06	.87	2.53	28	.0	0		9	4	1
SOMERVILLE		82.8	59.0	70.9	- 1.9	92	20	48	12	7	1	0	0	0	6.83	1.82	1.97	28	.0	0		8	5	2
SUSSEX		78.4M	57.0M	67.7M	- 3.1			47	24	26	0	0	0	0	4.25	- .79	1.31	28	.0	0				
DIVISION				70.1	- 2.0									5.58	.67									
SOUTHERN																								
ATLANTIC CITY WB AP		82.2	64.1	73.2	- 0.7	94	20	55	24	2	2	0	0	0	5.29	.39	2.81	28	.0	0		4	2	2
AUDUBON		83.6	62.4	73.0		93	20	54	24+	5	4	0	0	0	13.52		4.30	9	.0	0		8	4	3
BELLEPLAIN STA FOREST		84.9	59.4	72.2		94	20	47	25	2	4	0	0	0	.98	- 4.77	.55	28	.0	0		3	1	0
BURLINGTON		85.3	63.5	74.4	- 1.1	94	20+	55	23	4	8	0	0	0	9.23	4.39	3.10	9	.0	0		7	6	3
CHATSWORTH		83.3	60.2	71.8		93	21+	49	25	5	2	0	0	0	9.20		3.84	28	.0	0		6	5	3
FREENHOLD		81.4	60.0	70.7	- 2.4	91	20	52	25	6	1	0	0	0	6.95	2.19	2.18	28	.0	0		7	6	2
HAMMONTON 2 NNE		83.2	61.6	72.4	- 1.8	96	21	52	25+	8	3	0	0	0	4.12	- 1.52	1.35	28	.0	0		8	3	1
HIGHTSTOWN 1 N		82.4	59.7	71.1	- 1.8	93	20	49	24	8	2	0	0	0	4.39	- .13	1.70	9	.0	0		6	2	2
INDIAN HILLS 2 W		82.5	59.3	70.9	- 2.0	93	20	47	24	8	1	0	0	0	8.84	3.38	3.84	9	.0	0		5	4	2
MILLVILLE		83.3	63.1	73.2		95	21	55	25+	5	3	0	0	0	3.76		1.87	28	.0	0		4	2	2
MILLVILLE FAA AIRPORT		83.0	62.5	72.8		96	20	53	13	4	2	0	0	0	3.18		1.57	28	.0	0		4	2	2
MOORESTOWN		81.6	60.4	71.0	- 2.1	91	20	51	12	7	1	0	0	0	10.86	6.11	3.86	28	.0	0		7	5	3
NEW BRUNSWICK EXP STA		82.2	61.4	71.8	- 1.4	91	21+	53	24	6	3	0	0	0	4.11	- .59	1.29	28	.0	0		6	4	1
NEW MONMOUTH		81.6	61.1	71.4		91	20	52	24	7	4	0	0	0	7.11		2.20	28	.0	0		8	5	3
PEMBERTON 3 E		82.6	59.5	71.1	- 2.7	91	20	48	25	4	1	0	0	0	9.15	4.10	4.85	28	.0	0		7	5	2
SHILOH		84.5	62.7	73.6	- 1.0	97	20	54	24+	2	4	0	0	0	.74	- 4.21	.41	9	.0	0		2	0	0
TOMS RIVER		82.8	60.0	71.4		94	20	48	24	6	2	0	0	0	6.29		2.33	28	.0	0		8	4	2
TRENTON WB CITY		81.5	63.4	72.5	- 1.4	92	20	55	11	9	1	0	0	0	7.44	2.67	2.97	9	.0	0		6	2	2
TUCKERTON		80.6	61.4	71.0		91	20	49	25	6	1	0	0	0	8.20		2.32	10	.0	0		8	6	3
WOODSTOWN		85.2	61.3	73.3		95	21+	51	15+	1	5	0	0	0	1.87		1.33	28	.0	0		3	1	1
DIVISION				72.1	- 1.5									6.26	1.20									
COASTAL																								
ATLANTIC CITY		78.4	70.3	74.4	0.7	84	21+	63	11	0	0	0	0	0	4.37	- .77	2.69	9	.0	0		4	2	1
CAPE MAY 3 W		82.3	67.2	74.8		90	21+	58	12	0	2	0	0	0	1.17		.48	8	.0	0		4	0	0
LONG BRANCH		78.6	62.2	70.4	- 2.3	93	20	55	24+	6	1	0	0	0	7.46	2.21	3.02	28	.0	0		8	4	2
DIVISION				73.2	- 0.4									4.33	- .61									

See reference notes following Station Index.

DAILY PRECIPITATION

NEW JERSEY
AUGUST 1962

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	5.29	T						.47	1.66	.02	T							.07			.09	.17											
ATLANTIC CITY	4.37							.48	2.69	.03	.28							.80				.05											
AUDUBON	13.52						T	4.00	4.30	.15								.86	.15		.45	.16											
BASS RIVER ST FOREST	9.02	.08						.54	.45	3.95	.09						.10	.86			.45	.16											
BELLEPLAIN STA FOREST	.98	T			.04			.08	.12		.10							.55	1.27		.03	1.06	.03										
BELVIDERE	4.23						.40	1.65	.46	T	.21										.09	.43											
BERNARDSVILLE 2 E	6.70			T	.17			.05	.33	.09	.63	.93						.07	.50		.05	.80	.10										
BLACKWELLS MILLS	5.23					.07		.95	.15	.16	.75	.94						.04			.07	.04	.27										
BOONTON 2 SE	5.14	T			.04			.02	.20	.31	.43	.58						.74	.18		.18	.55	.09										
BOUND BROOK 1 W	6.04							1.08	.25	.16	.60	1.07									.04	.03	.06										
BRANCHVILLE	4.27					.20		.02	.36	.59	.33	.37	.02								.07	.37											
BURLINGTON	9.23							.70	.65	3.10	.70	.02									.03	.10											
CANISTEAR RESERVOIR	3.74					.09		T	.35	.37	.20	.45						1.80			.21												
CANOE BROOK	5.79					.01		.04	.30	.08	.58	1.04	.01					.01	.42		.10	.31	.02										
CANTON	1.80	.10						.04	.08	.03	.09								.01	.15		.10	.29	.11									
CAPE MAY 3 W	1.17							.02	.48	.17	.05	.02											.27										
CEAR GROVE	6.91					.03		.42	.60	.72	1.34										.20	.75	.14										
CHARLOTTEBURG	4.71	.15				.13		.06	.27	.56	.30	.55	.01							.03	.45		.21	.40	.06								
CHATHAM	5.79					T		T	.30	.10	.58	1.00								T	.18		.10	.35	.10								
CHATSORTH	9.20							2.56	.61	1.13	.03									.59	.03		.39										
ELIZABETH	4.24				.01			.03	.04	.26	.22	.50						.01	.72	.17		.06	.02										
ELIZABETHPORT	4.81							.34	1.04	.42	.01							.48	.24		.01	.06											
ESSEX FIELDS SERV BLDG	5.85					.04		.35	.14	.47	.80												.12										
FLEMINGTON 1 NE	4.84			.11			T	.58	T	.75	.30	.20									.04	.20											
FORTESCUE	2.83								.15	.26	.40													.07									
FREEMOLD	6.95							.80	.03	.88	.50	.08									.01	.64											
GREENWOOD LAKE	4.54					.11		.07	.21	.32	.32	.38									.18	.72	.05										
HAMMONTON 2 NNE	4.12							.79	.25	.61	.26										.33	.31	.03										
HIGHTSTOWN 1 N	4.39				.02		T	.07	1.70	.26	.24										.02	.31											
INDIAN MILLS 2 W	6.84							.89	3.84	.08											.93												
IRVINGTON	4.65				.01			.34	.60	1.22	.01							.15	.10		T	.33											
JERSEY CITY	7.68				.02			.48	.90	.18	.10							.60	1.90		.10	.78											
LAMBERTVILLE	6.11							1.04	1.44	.39	.77									.05	.03	.72	.03										
LAYTON	4.54					.34	.50	1.16	.02	.61	.02	.28								.34	.01	.22	.18	.01									
LITTLE FALLS	5.62				.05			.03	.28	.30	.43	.98	T							T	.08	.15	.65	.11									
LONG BRANCH	7.46						T	.15	2.20	.14	.04							.01	.81		.12	.39											
LONG VALLEY	6.21			.14			.30	1.05	.03	.51	.03	.55								.20		.85	.55										
MAHWAH	5.65	.03				.23		.12	.94	.42	.30	.39									.37		.50	.23	.03								
MANVILLE	6.39				.10			.95	.18	.20	.55	.90									.36	.07	.10										
MAYS LANDING	3.92								.56	.24	.29		.07	T						.93		.21	.06										
MILANO PARK	8.02				.13			.35	3.21	.82											.42	.18		.22	.33								
MILLVILLE	3.76							.33	.11	1.39											T												
MILLVILLE FAA AIRPORT	3.18	T				T		.42	.10	1.07											T	.02											
MILTON	6.06				.25	.15		.40	.35	.25	.77											.20	.71										
MOORESTOWN	10.86						T		2.66	.43	2.25	.03									.73		.62	.22									
MORRIS PLAINS 1 W	5.17					.07	T	.04	.26	.19	.44	.91	T								T	.38		.10	1.23	.15							
NEWARK WB AIRPORT	5.73					.01	T	.45	.88	.33	.02									.83	.68	T	.03	.29									
NEW BRUNSWICK EXP STA	4.11					T		T	.06	.89	.62	.58										T	.13	.45									
NEW MILFORD	7.47							2.40	.86	.72											.05		.26	.48									
NEW MONMOUTH	7.11					.02			1.09	.48	.08										.07	.87		1.00	.40	T							
NEWTON	4.37					.12		.09	.88	.23	.35	.30																					
OAK RIDGE RESERVOIR	5.89					.23		.15	.34	.44	.26	.59								.05		.24	.54	.12									
OLWICK	6.01					.11	T	.14	.81	.17	.35	.58	T																				
ORANGE	7.13							.95	.09	.60											1.34	.04	.40	.10									
PATERSON	7.90					T	T	.87	.87	1.05	1.37																						
PEMBERTON 3 E	9.15							.89	.26	.43	1.51									.05		.18	.49										
PHILLIPSBURG	6.32				.29		.19	2.35	.10	1.10	.04	.30									.64		.57										
PHILLIPSBURG BRIDGE	8.27					.61	3.50	.05	.47	.40	.58										.10	.02		.05	.50								
PLAINFIELD	6.06				.02		.16	.24	.88	.57	.37										.07	.78											
PRINCETON WATER WORKS	5.38						T	.62	.08	1.90	.76										.01	.10		.06	.15	T							
RAHWAY	4.13						T	.21	.99	.56	.02										.11	.32		.08	.06								

DAILY TEMPERAT URES

NEW JERSEY
AUGUST 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	88	84	84	78	85	85	84	90	81	67	71	78	79	86	81	82	85	78	85	94	88	85	78	77	78	84	83	74	85	87	85	82.2
	MIN	68	63	65	67	66	72	72	70	64	58	58	57	57	66	58	63	69	62	69	71	71	63	59	55	57	58	64	69	66	65	65	64.1
ATLANTIC CITY	MAX	84	79	78	76	80	78	78	84	79	72	72	75	77	83	76	77	78	78	79	81	84	81	75	71	77	79	79	77	82	81	79	78.4
	MIN	72	68	73	73	72	76	74	73	69	64	63	64	68	71	67	72	71	68	69	75	74	71	70	68	67	70	73	72	71	71	71	70.3
AUGUBOM	MAX	89	87	87	83	88	90	86	91	76	65	71	82	83	85	83	88	87	80	86	93	81	81	79	80	84	86	87	74	83	87	90	83.6
	MIN	68	63	62	67	65	70	71	65	64	57	56	54	55	68	56	60	67	69	61	67	69	61	59	54	55	59	67	68	66	60	64	62.4
BELLEPLAIN STA FOREST	MAX	87	86	84	81	87	88	86	90	88	78	73	79	81	87	85	85	89	84	86	94	93	86	78	80	80	85	87	79	86	89	90	84.9
	MIN	65	55	58	62	59	64	71	61	66	63	55	50	49	65	50	57	70	65	52	64	71	62	52	51	47	52	59	69	62	59	56	59.4
BELVIOERE	MAX	82	83	83	81	80	86	79	85	84	67	69	76	77	78	77	80	81	75	79	83	86	79	76	74	77	79	81	79	82	86	85	79.8
	MIN	63	54	53	62	62	68	69	61	60	57	54	52	57	65	55	54	63	51	49	63	66	56	52	50	55	57	62	61	61	59	58	58.4
BOONTON 2 SE	MAX	82	84	83	84	73	83	87	82	85	69	61	69	77	78	77	79	79	77	75	79	88	79	77	75	76	78	81	83	75	83	86	78
	MIN	64	59	54	60	59	64	67	63	63	57	55	50	52	56	57	52	53	56	50	56	65	56	53	48	56	56	62	62	64	62	63	57.9
BURLINGTON	MAX	90	90	89	88	88	94	90	90	89	68	70	80	82	87	83	84	83	87	86	94	92	80	78	81	82	85	87	84	85	88	90	85.3
	MIN	69	64	66	62	66	69	72	68	65	58	56	56	57	67	61	62	65	61	69	67	69	58	55	57	58	61	72	68	68	67	65	63.5
CAMDE BROOK	MAX	83	87	85	86	76	87	89	86	88	71	60	69	80	78	82	81	81	83	78	82	91	81	77	75	78	80	85	85	75	83	85	80.8
	MIN	64	52	54	60	57	66	68	60	62	57	54	50	53	55	53	53	57	53	49	58	65	54	49	49	54	55	61	64	65	60	58	57.1
CAPE MAY 3 W	MAX	81	85	84	80	81	81	80	81	84	78	72	76	80	84	85	85	85	83	81	90	90	87	81	78	79	83	85	81	81	84	85	82.3
	MIN	68	68	67	68	68	70	71	71	74	64	60	58	56	70	62	69	72	69	63	71	76	70	63	61	60	63	61	69	71	70	72	70
CHARLOTTEBURG	MAX	82	84	82	84	81	82	87	83	85	65	58	71	78	78	78	79	79	79	74	79	88	80	75	75	75	77	80	83	74	82	86	78.8
	MIN	62	57	50	56	55	64	67	62	59	54	54	48	51	53	56	50	61	51	47	54	63	53	50	47	51	55	59	61	60	61	55	55.7
CHATSORTH	MAX	86	86	85	80	86	89	87	88	87	69	70	80	79	84	82	83	83	77	84	93	93	88	80	76	79	83	85	79	85	87	88	83.3
	MIN	67	58	58	63	62	68	71	65	65	59	56	60	52	65	54	55	65	58	50	66	64	61	56	52	49	50	68	62	65	62	60	60.2
ELIZABETH	MAX	87	88	86	80	85	90	84	94	85	65	70	79	79	84	83	85	80	78	84	92	87	81	79	79	82	85	86	80	84	88	84	82.9
	MIN	62	59	61	65	62	69	70	64	63	55	56	55	55	68	58	58	63	55	55	66	68	61	59	59	62	62	66	64	65	65	64	61.4
ESSEX FELS SERV BLOC	MAX	83	88	86	88	75	85	90	86	89	68	59	68	80	80	81	81	81	80	78	82	94	80	77	78	74	78	86	84	76	85	87	80.9
	MIN	65	55	55	60	59	66	70	62	62	57	55	50	53	58	55	55	60	51	50	60	51	55	52	50	57	58	64	63	64	60	59	58.1
FLEMINGTON 1 ME	MAX	87	90	88	78	89	90	88	89	77	66	75	81	84	82	84	87	86	79	84	96	90	84	83	81	84	85	87	75	85	91	92	84.4
	MIN	62	53	52	60	61	66	68	60	64	52	54	47	50	67	54	52	64	50	48	62	65	54	52	46	49	53	61	64	66	65	56	57.3
FREEHOLD	MAX	86	84	85	80	84	89	87	87	82	64	71	78	78	83	80	81	80	76	83	91	87	78	75	77	78	82	84	78	83	85	86	81.4
	MIN	66	57	60	63	63	67	70	64	63	57	55	53	55	65	56	58	56	57	54	59	66	60	57	53	52	57	67	62	64	62	62	60.0
HAMMONTOM 2 MME	MAX	80	87	85	87	82	87	91	88	89	78	62	70	81	84	84	83	85	86	78	87	96	90	80	78	81	83	87	87	72	84	86	83.2
	MIN	67	62	61	65	62	69	71	67	65	59	56	55	54	59	57	62	61	62	57	66	71	65	57	52	52	55	64	66	65	65	62	61.6
HIGHTSTOWN 1 M	MAX	86	85	88	80	87	92	89	88	81	63	71	79	81	82	81	84	85	77	84	93	82	80	76	79	81	85	85	75	83	86	86	82.4
	MIN	68	55	59	61	59	69	71	64	63	56	55	50	51	66	55	57	62	57	52	65	66	59	55	49	53	57	65	65	65	62	59	59.7
IMODIA MILLS 2 W	MAX	87	85	86	80	87	89	86	89	77	65	69	80	80	84	82	85	86	77	84	93	84	80	78	80	80	85	86	73	83	87	89	82.5
	MIN	67	54	59	64	61	67	70	65	64	57	55	50	50	65	51	57	65	57	52	66	66	62	54	47	49	52	64	66	65	58	58	59.3
JERSEY CITY	MAX	86	83	78	73	79	82	80	88	72	60	68	77	73	81	75	77	76	76	76	90	85	75	75	71	75	78	79	74	80	85	78	77.6
	MIN	67	64	66	66	65	68	69	65	60	57	55	56	61	66	61	62	65	58	60	66	69	62	58	60	65	64	66	65	63	65	68	63.3
LAMBERTVILLE	MAX	88	87	87	85	87	92	87	89	86	67	72	78	83	82	82	86	85	82	86	93	89	81	79	80	82	85	87	84	85	90	90	84.4
	MIN	69	54	58	65	61	70	71	63	64	57	54	51	52	68	54	52	66	54	57	66	52	57	55	50	52	58	68	66	67	61	59	60.1
LAYTON	MAX	83	85	85	86	84	80	81	86	85	66	69	80	79	79	82	83	83	76	80	92	89	79	78	78	78	82	85	82	85	91	90	81.9
	MIN	62	65	51	5																												

DAILY TEMPERATURES

NEW JERSEY
AUGUST 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOMS RIVER	MAX	87	86	85	85	84	88	89	89	87	72	69	75	78	84	84	83	82	80	82	94	93	81	77	78	80	80	82	81	82	85	86	82.8
	MIN	67	55	58	62	61	69	72	66	65	61	57	50	52	64	52	54	64	60	50	66	65	61	57	48	54	55	61	65	64	60	66	60.0
TRENTON WB CITY	MAX	87	87	85	79	86	89	86	88	75	61	69	79	80	82	81	84	84	78	84	92	80	78	74	77	80	83	85	74	84	88	89	81.5
	MIN	70	64	65	66	64	71	72	68	60	56	55	56	56	67	60	64	66	61	58	68	70	63	59	56	58	58	69	66	67	68	65	63.4
TUCKERTON	MAX	84	82	81	78	82	83	83	88	87	73	69	75	78	84	80	80	81	78	83	91	86	81	75	75	77	80	79	77	84	84	80	80.6
	MIN	68	59	58	64	61	72	74	67	66	62	56	54	51	70	56	57	63	58	55	70	66	65	58	51	49	55	60	67	65	64	61	61.4
WOODSTOWN	MAX	88	87	86	82	87	89	87	92	91	72	72	82	82	85	82	88	88	81	87	95	95	82	80	82	82	86	87	79	86	89	91	85.2
	MIN	68	58	60	66	65	70	71	64	65	59	56	51	53	67	51	61	65	58	52	68	69	65	57	54	52	57	63	67	65	61	61	61.3

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
ATLANTIC CITY WB AIRPORT	S	13	8.5	23++	S	7	87	87	57	73	2	3	2	0	1	1	9	67	5.5	
ATLANTIC CITY	-	-	10.0	26++	NNW	21	-	-	-	-	-	3	2	1	0	1	-	-	-	
LONG BRANCH	S	10	10.2	48	E	9	-	86	62 &	76	1	2	4	2	0	2	11	64	5.2	
NEWARK WB AIRPORT	NNE	11	8.5	31++	NNW	21	78	79	57	67	1	3	3	4	1	0	12	-	5.8	
TRENTON WB CITY	S	-	7.9	31	NW	20	-	-	-	-	1	4	4	0	0	2	11	65	5.4	
& 12:00 Noon																				

DAILY SOIL TEMPERATURES

NEW JERSEY
AUGUST 1962

STATION AND DEPTH		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT #1																																		
1 INCH	MAX MIN	83 71	85 69	83 70	77 69	82 73	84 73	79 73	88 71	75 69	69 66	72 66	79 65	79 67	80 72	81 69	78 69	79 71	81 69	81 67	84 70	76 73	82 69	81 69	79 67	81 68	82 70	85 72	76 72	72 72	82 71	85 71	84 72	80.4 69.8
2 INCHES	MAX MIN	80 70	82 69	80 70	76 71	80 69	82 72	78 73	86 71	75 69	69 66	72 66	77 65	78 67	79 71	80 70	77 69	78 71	80 69	82 67	76 70	80 73	80 69	77 69	80 67	81 68	83 70	76 65	81 76	76 72	78 72	81 71	84 71	83 69.6
4 INCHES	MAX MIN	77 70	78 70	77 70	74 71	76 69	78 72	76 73	80 71	75 70	70 67	74 66	75 64	76 67	77 70	75 70	75 70	77 72	76 70	79 69	76 73	77 70	77 70	77 65	75 76	76 70	78 72	79 72	75 72	77 72	78 71	79 72	76.2 70.0	
8 INCHES	MAX MIN	73 70	74 71	74 71	72 71	74 70	75 71	74 73	77 71	75 69	69 68	71 68	72 68	73 69	74 71	73 71	73 71	74 71	74 70	76 71	73 74	74 71	74 71	73 71	74 71	73 70	74 71	74 70	76 71	75 72	75 73	76 72	76 72	73.6 70.9
16 INCHES	MAX MIN	70 69	71 69	71 70	71 70	71 69	72 70	74 71	72 71	73 71	70 69	70 69	70 69	70 69	71 69	71 70	71 70	71 69	71 70	71 71	72 71	72 71	72 71	72 71	72 71	72 71	72 71	72 71	72 71	73 72	72 72	72 72	72 72	71.5 68.3
32 INCHES	MAX MIN	67 66	67 66	68 67	68 68	68 67	68 68	69 68	69 68	70 69	70 70	70 69	69 69	69 68	69 68	69 68	69 68	69 69	69 69	69 69	70 69	70 69	70 69	70 69	70 69	70 70	70 69	70 69	70 70	70 70	70 70	70 70	69.2 68.6	
PLOT #2																																		
1 INCH	MAX MIN	93 71	97 67	95 69	83 71	90 67	95 73	88 74	98 69	76 65	65 62	72 61	84 59	84 61	85 68	92 63	87 65	86 70	91 64	94 63	92 70	78 71	85 65	90 63	85 62	92 64	93 68	99 71	77 71	83 69	86 66	89 67	89.2 66.7	
2 INCHES	MAX MIN	93 71	97 67	95 69	82 71	90 67	95 73	88 74	97 70	77 65	65 62	72 61	85 59	83 61	84 68	90 63	86 65	85 70	89 65	92 63	78 70	84 71	88 65	84 63	90 62	91 64	90 68	91 61	97 77	83 71	86 69	87 68	87.2 66.8	
4 INCHES	MAX MIN	89 71	92 69	91 71	80 72	86 68	90 74	84 74	92 70	78 67	67 63	71 62	81 61	81 63	82 70	86 65	83 67	82 70	86 66	88 70	88 71	77 66	82 71	84 66	82 65	84 64	82 66	87 69	88 72	93 72	78 69	81 67	83 68	83.8 68.0
8 INCHES	MAX MIN	81 72	83 72	83 73	77 73	80 70	82 75	80 75	82 73	80 70	70 66	69 65	75 64	75 67	77 70	79 69	77 70	77 70	79 69	78 69	81 72	77 73	77 69	79 69	77 68	79 69	80 71	83 73	79 75	82 71	78 70	79 71	78.4 70.5	

Plot #1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Electronik Potentiometer.

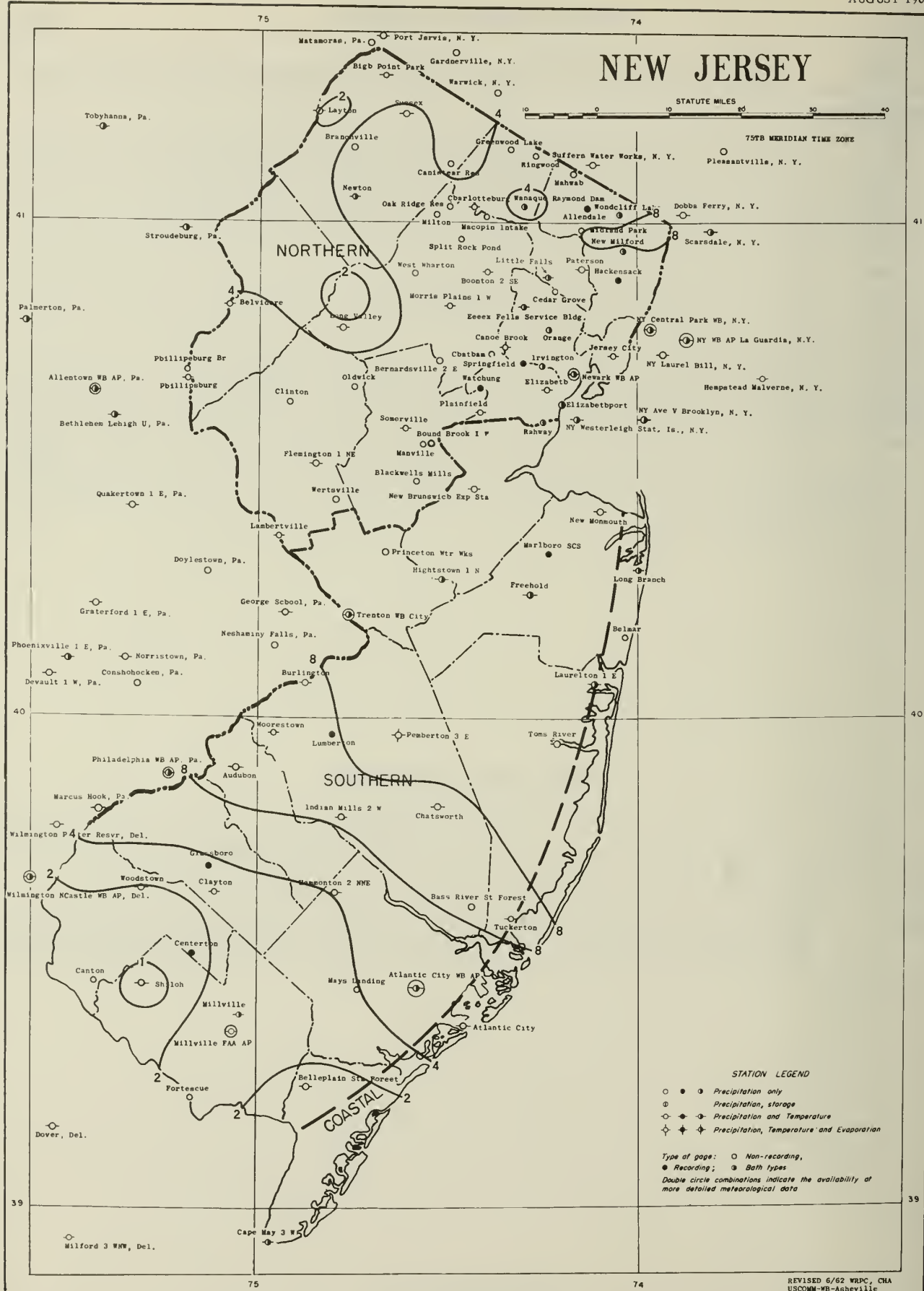
Plot #2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

EVAPORATION AND WIND

Station		Day of month																																Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CANOE BROOK	EVAP	.09	.19	.22	.16	.11	.10	.15	.09	.20	.07	.02	*	.24	.17	.21	.15	.08	.07	.16	.24	.18	.09	.20	.15	.14	.11	.22	-	-	-	.16	B 4.40	
	WIND	13	17	18	27	11	09	25	28	26	46	40	13	14	31	27	10	16	12	32	19	29	25	19	16	21	20	13	15	17	33	32	674	
PEMBERTON 3 E	EVAP	.19	.23	.23	.23	.19	.12	.34	.14	.18	.00	.14	.20	.16	.22	.17	.10	.21	.22	.23	.22	.21	.24	.11	.17	.11	.16	.23	-	.08	.19	.23	B 5.63	
	WIND	11	8	10	22	16	8	29	12	34	41	4	8	10	30	12	11	11	19	13	30	8	19	15	13	18	12	15	5	32	16	8	500	
	MAX	94	96	96	89	95	96	93	98	83	73	72	91	89	89	92	92	87	89	89	96	84	92	84	84	87	90	93	90	90	95	96	89.7	
	MIN	74	67	67	71	71	74	73	70	71	63	60	61	64	72	65	67	70	67	62	70	74	71	66	60	59	66	70	71	67	67	70	67.7	

TOTAL PRECIPITATION

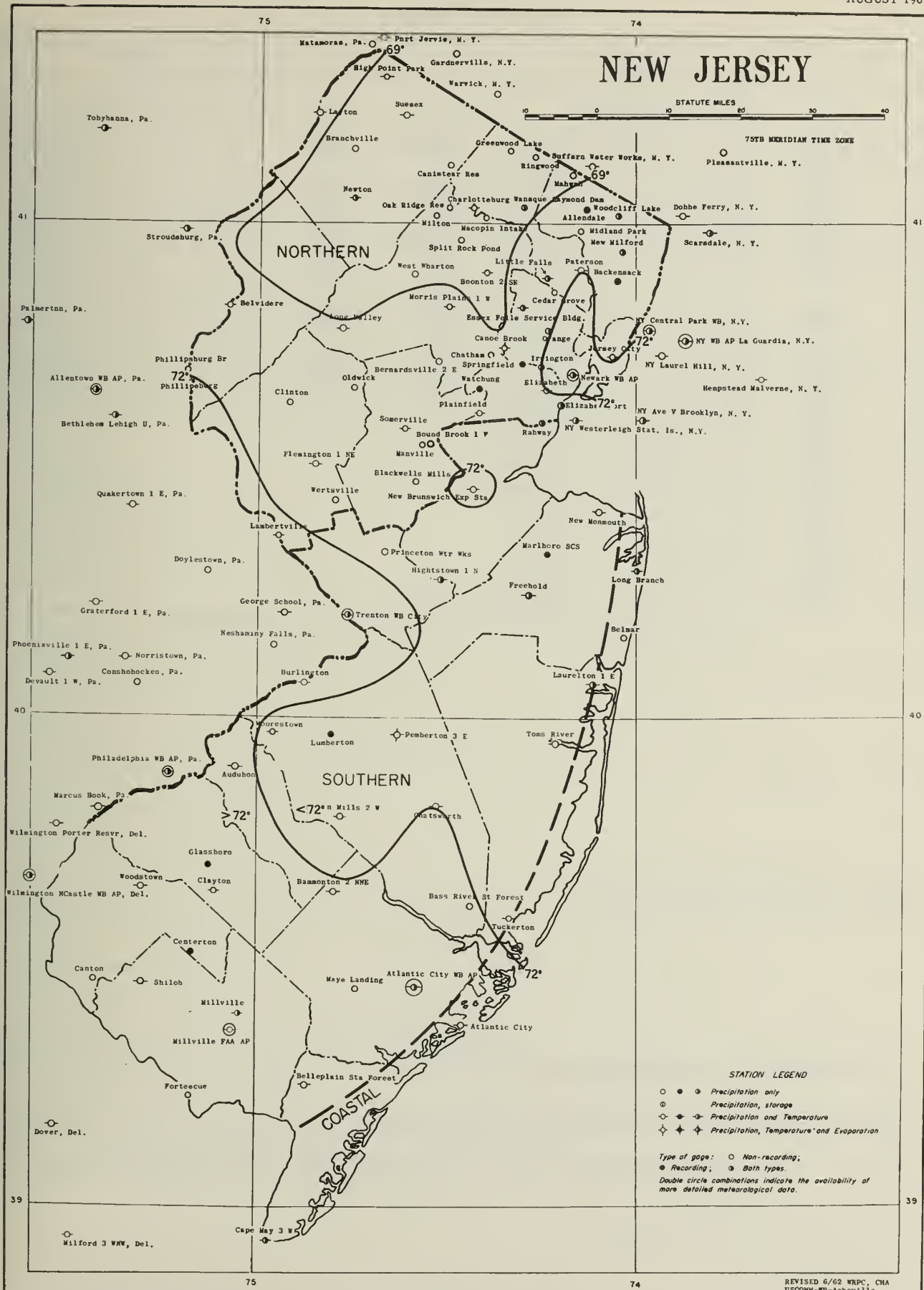
AUGUST 1962



REVISED 6/62 WRPC, CHA
USCOMM-WB-Asheville

AVERAGE TEMPERATURE

AUGUST 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

STATION INDEX

NEW JERSEY
1962

STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL	
ALLENDALE	0100	BERGEN	8 41 02	74 08	270						C BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1 39 27	74 35	58	MID	MID				C HJ U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1 39 23	74 26	10	MID	MID				J STATE MARINA
AUDUBON	0346	CAMDEN	2 39 34	75 04	50	11P	11P				H IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20		9A				H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1 39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELMAR	0721	MONMOUTH	1 40 10	74 02	19		8A				BELMAR WATER WORKS
BELVOERE	0729	WARREN	2 40 50	75 05	275	5P	5P				C CLEMENT HAUPIT
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	242		7A				H BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27		7A				H HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8 40 54	74 24	280	8A	8A				JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10 40 33	74 33	20		8A				AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580		7A				ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2 40 04	74 53	12	6P	6P				PUBLIC SVC. E. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040		8A				NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	9A	9A				C COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2 39 28	75 25	20		9A				C GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 58	10	5P	5P				C N.W. WEST MAGNESITE CO.
CEDAR GROVE	1475	ESSEX	8 40 52	74 13	400		8A				C J. A. PLUNKETT
CENTERTON	1512	SALEM	6 39 31	75 10	80						C JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8 41 03	74 26	740	7A	7A				H NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8 40 44	74 23	185		8A				H EDWARD P. MOLITOR
CHATHAM	1598	BURLINGTON	1 39 49	74 32	100	5P	5P				C EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6 39 59	75 06	120	6P	6P				H HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10 40 38	74 55	300		6P				H L. W. KLOCKNER
ELIZABETH	2644	UNION	1 40 40	74 14	13	5P	5P				C UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8 40 38	74 12	10		MID				C SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8 40 50	74 18	250	8A	8A				C BORDOUGH ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 51	134	5P	5P				H DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2 39 14	75 10	5		7A				C JOHN LOPER
FREEMOLD	3181	MONMOUTH	10 40 15	74 17	194	6P	6P				C H FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2 39 42	75 07	135		7A				C GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8 41 09	74 20	640						C GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4 40 53	74 03	10						C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85	8A	8A				H W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2 41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10 40 17	74 31	100	6P	6P				C H JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7 39 48	74 47	100	7P	7P				H EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1 40 43	74 15	120	MID	MID				C JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1 40 44	74 04	139	MID	MID				C JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75	6P	6P				H E. E. CASE
LAURELTON 1 E	4700	OCEAN	1 40 04	74 07	20	MID	MID				C H PUBLICATION ENDED B/62.
LAYTON	4736	SUSSEX	2 41 15	74 52	390	5P	5P				C CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8 40 53	74 14	150	9A	9A				C H PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1 40 18	74 00	20	MID	MID				C HJ WILLIAM D. MARTIN JR.
LONG VALLEY	5003	MORRIS	10 40 47	74 47	540	6P	6P				H ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2 39 58	74 48	25						C JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8 41 01	74 24	584						C INACTIVE 1/61
MARWAH	5106	BERGEN	8 41 06	74 10	253		7A				C ROBERT G. GLASGOW
MARVILLE	5197	SOMERSET	10 40 33	74 34	50		8A				C JOHN L. RADOLFF
MARLBORO SCS	5244	MONMOUTH	1 40 20	74 14	120						C GEROW BRILL
HAYS LANDING	5346	ATLANTIC	3 39 27	74 44	10		9A				C H COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8 40 59	74 09	210		MID				C H RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6 39 24	75 03	60	8A	MID				C H L. J. GALLAMER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	MID	MID				H FEO. AVIATION AGENCY
MILTON	5597	MORRIS	8 41 01	74 32	950		7A				C JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2 39 58	74 58	55	MID	8A				H M. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8 40 50	74 30	400		8A				H JOSEPH H. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1 40 42	74 10	13	MID	MID				C HJ U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10 40 28	74 26	86	5P	5P				GH ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4 40 57	74 02	12		MID				C HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1 40 25	74 06	30	4P	4P				ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2 41 03	74 45	545		8A				C H NEWTON WTR. + SWR. COMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8 41 02	74 30	870		8A				C NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10 40 40	74 45	260		8A				DAN A. COUGHLIN
ORANGE	6560	ESSEX	8 40 47	74 14	140		MID				C COUNTY ENGINEER
PATERSON	6775	PASSAIC	8 40 54	74 09	100	8A	8A				H P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2 39 58	74 38	80	5P	5P				H PHILIP E. MARUCCI
PHILLIPSBURG	6976	WARREN	2 40 41	75 12	182	3P	3P				H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2 40 42	75 12	194		9A				JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10 40 36	74 25	120	8P	8P				H MRS. VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10 40 20	74 40	120		MID				C PRINCETON WATER CO.
RAHWAY	7393	UNION	9 40 36	74 15	20		MID				C H RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8 41 08	74 16	305		10A				H NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2 39 28	75 18	120	5P	5P				EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10 40 34	74 37	75	6P	6P				H W. E. HAVER
SPLIT ROCK POND	8402	MORRIS	8 40 58	74 28	800		10A				C JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1 40 43	74 18	-						N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5 41 13	74 37	440	7A	7A				C BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1 39 57	74 13	10	6P	6P				C TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2 40 13	74 46	56	MID	MID				C HJ U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1 39 36	74 20	10	6P	6P				REV. WALTER T. GANDEK
WANADUE RAYMOND DAM	9187	PASSAIC	8 41 03	74 18	320		8A				C H WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8 40 40	74 25	-						C BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10 40 27	74 48	160		7A				ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8 40 54	74 36	680		7A				C N.J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4 41 01	74 03	103		MID				C HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2 39 39	75 19	50	5P	5P				C CREAM VALLEY DAIRY

1-COASTAL; 2-OLAMWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as I2 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

537.03
1007

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

SEPTEMBER 1962

Volume 67

No. 9



ASHEVILLE: 1962

THE LIBRARY OF THE

NOV 23 1962

(ENCLOSURE)

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 93° on the 2d at Burlington,
and on the 1st at Woodstown.

Lowest Temperature: 30° on the 22d at Long Valley,
Newton (22+), and on the 21st
at Belleplain State Forest.

Greatest Total Precipitation: 5.10 inches at Prin-
ceton Water Works.

Least Total Precipitation: 2.10 inches at Belmar.

Greatest One-day Precipitation: 2.65 inches on the
28th at Bass River
State Forest.

SPECIAL WEATHER SUMMARY

The outstanding weather phenomenon for the month was the 'northeaster' which moved along coastal New Jersey on the 28th. This storm caused some flooding in low-lying sections of West Wildwood when tides ran about three feet above normal. Part of a 15-foot high protective dune was washed out at Townsend's Inlet.

Flooding was worse in northern shore areas. Schools in Union Beach, on Raritan Bay, were closed due to flooding. More than two inches of rain caused the Freehold Raceway to cancel ten races.

Early during the morning of the 28th waves capsized a boat returning to the Manasquan Inlet Coast Guard Station. The three crewmen waded ashore, uninjured, after the boat was shattered against a breakwater.

Donald V. Dunlap
State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
SEPTEMBER 1962

Station		Temperature												Precipitation											
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
											Max. Min.								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
											90° or Above	32° or Below	32° or Below	0° or Below											
NORTHERN																									
		70.9	49.2	60.1	- 5.9	85	1	33	21	178	0	0	0	0	3.88	-.01	.73	17	.0	0		11	3	0	
		70.7	49.1	59.9	- 3.6	85	2+	35	22	182	0	0	0	0	3.45	-.90	1.53	28	.0	0		7	2	1	
		71.8	48.4	60.1	- 4.1	86	2	33	21	177	0	0	0	0	3.94	.38	1.24	28	.0	0		9	3	1	
		69.9M	47.0M	58.5M	- 3.9	86	2	32	21	221	0	0	1	0	3.75	-.66	1.59	28	.0	0		9	2	1	
		75.0	53.5	64.3	- 2.9	89	1	39	22+	90	0	0	0	0	3.42	-.92	1.73	27	.0	0		6	1	1	
		71.8	48.8	60.3		88	2	34	22+	175	0	0	0	0	3.85				.0	0					
		74.5	48.0	61.3	- 5.3	91	1	31	22	168	1	0	2	0	3.56	-.03	.77	27	.0	0		7	3	0	
		67.4	48.1	57.8		85	2+	32	21	240	0	0	1	0	3.16		.95	28	.0	0		8	2	0	
		70.7	55.5	63.1	- 3.8	86	14	40	22+	110	0	0	0	0	3.02	-.79	1.26	27	.0	0		6	2	1	
		73.8	50.5	62.2	- 4.0	91	1	34	22	141	1	0	0	0	3.16	-.13	.95	2	.0	0		6	3	0	
		72.1	47.6	59.9		88	1	32	22+	187	0	0	2	0	3.71		.72	27	.0	0		8	4	0	
		73.7	51.2	62.5	- 3.3	90	2	36	22+	129	1	0	0	0	3.47	- 1.08	1.38	28	.0	0		8	2	1	
		71.5	47.7	59.6		89	1	30	22	198	0	0	2	0	3.80	-.12	.75	27	.0	0		9	3	0	
		72.1	48.9	60.5		87	2+	31	22	175	0	0	1	0	4.20		1.71	28	.0	0		9	2	1	
		73.0	56.4	64.7	- 2.6	87	14	43	21	81	0	0	0	0	3.33	-.43	1.36	27	.0	0		6	3	1	
		71.3	45.3	58.3	- 4.7	90	1	30	22+	230	1	0	2	0	2.58	- 1.41	.85	18	.0	0		7	2	0	
		73.7	52.6	63.2	- 3.2	88	15+	39	22	118	0	0	0	0	3.77	-.44	1.20	28	.0	0		7	3	1	
		74.5	49.5	62.0	- 3.5	90	2+	34	21	141	2	0	0	0	2.75	- 1.25	.54	5	.0	0		8	2	0	
		73.4	52.0	62.7	- 3.5	89	1	35	22	120	0	0	0	0	4.47	.14	1.70	27	.0	0		6	4	1	
		73.7	50.0	61.9	- 4.1	89	1	33	22	146	0	0	0	0	3.64	-.13	.83	27	.0	0		6	5	0	
		70.1	47.0	58.6	- 4.9	87	2+	33	23+	222	0	0	0	0	2.93	-.99	.93	28	.0	0		7	2	0	
DIVISION				61.0	- 4.0										3.52	-.54			.0						
SOUTHERN																									
		73.9	55.3	64.6	- 2.6	87	14	37	21	83	0	0	0	0	3.09	-.22	1.86	27	.0	0		4	1	1	
		74.7	53.9	64.3		92	1	39	22	88	1	0	0	0	3.75		1.88	27	.0	0		5	2	1	
		76.3	51.0	63.7		92	1	30	21	111	2	0	2	0	3.05	-.81	1.24	27	.0	0		6	2	1	
		75.5	54.5	65.0	- 3.8	93	2	41	21	78	2	0	0	0	3.65	.00	1.60	27	.0	0		6	3	2	
		74.5	51.4	63.0		89	1	34	22	118	0	0	0	0	3.42		1.02	27	.0	0		5	2	1	
		73.2	52.8	63.0	- 3.5	88	1	35	21	113	0	0	0	0	3.70	-.08	1.60	27	.0	0		4	3	2	
		75.0	52.6	63.8	- 3.9	92	2	37	22	110	2	0	0	0	3.81	.04	1.17	27	.0	0		6	3	2	
		72.4	51.7	62.1	- 4.1	90	1	34	22	138	1	0	0	0	4.45	.46	1.69	27	.0	0		6	3	2	
		73.5	50.3	61.9	- 4.4	91	1	32	22+	142	1	0	2	0	3.46	-.14	2.01	27	.0	0		5	1	1	
		75.4	54.4	64.9		91	1	40	21	91	2	0	0	0	2.86		1.38	27	.0	0		4	3	1	
		74.2	53.3	63.8		91	1	35	21	113	1	0	0	0	2.91		1.25	27	.0	0		4	2	1	
		72.8	52.8	62.8	- 3.6	90	1	37	22	121	1	0	0	0	3.61	-.14	1.66	28	.0	0		6	2	1	
		73.0	53.1	63.1	- 3.4	88	2+	37	21	116	0	0	0	0	4.46	.40	1.58	27	.0	0		6	3	3	
		73.1	54.2	63.7		88	1	38	22	100	0	0	0	0	4.29		1.93	27	.0	0		6	3	2	
		73.8	51.5	62.7	- 4.7	89	1	34	22	124	0	0	0	0	3.77	-.00	1.95	27	.0	0		5	3	1	
		75.4	54.2	64.8	- 3.2	92	1	42	30+	89	1	0	0	0	3.81	-.13	1.82	27	.0	0		5	3	1	
		75.0	51.6	63.3		88	15+	33	22	111	0	0	0	0	4.14		2.00	27	.0	0		4	2	2	
		72.0	55.0	63.5	- 3.6	91	1	40	21	102	1	0	0	0	5.04	1.54	2.37	27	.0	0		5	2	2	
		73.2	53.9	63.6		84	14	33	22	98	0	0	0	0	4.01		2.40	27	.0	0		5	2	1	
		74.9	52.0	63.5		93	1	35	21	112	1	0	0	0	3.58		1.56	27	.0	0		5	3	1	
DIVISION				63.6	- 3.4										3.74	-.05			.0						
COASTAL																									
		71.2	59.8	65.5	- 2.9	80	15+	42	21	61	0	0	0	0	2.96	-.44	1.97	27	.0	0		4	1	1	
		75.2	61.1	68.2		83	15+	47	22+	30	0	0	0	0	3.06		1.05	27	.0	0		6	2	1	
		71.8	54.7	63.3	- 2.9	88	14	39	21	98	0	0	0	0	4.49	.57	2.52	27	.0	0		4	2	2	
DIVISION				65.7	- 2.1										3.50	-.17			.0						

See Reference Notes Following Station Index

NEW JERSEY
SEPTEMBER 1962

See reference notes following Station Index

DAILY TEMPERATURES

NEW JERSEY
SEPTEMBER 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX MIN	83 67	79 66	76 63	76 57	70 64	68 52	72 48	75 50	75 50	86 69	83 64	80 55	82 56	87 66	79 60	75 57	70 64	73 54	77 52	64 46	65 37	66 41	69 50	68 47	70 50	74 59	66 60	70 60	67 49	71 45	73.9 55.3	
ATLANTIC CITY	MAX MIN	77 67	78 71	75 68	76 67	74 68	70 60	67 61	69 60	69 58	75 68	80 69	79 58	78 60	78 69	80 63	73 59	71 63	72 55	73 55	64 47	62 42	64 55	66 55	67 50	66 55	71 60	65 60	66 66	66 56	71.2 59.8		
AUDUBON	MAX MIN	92 69	77 62	79 60	77 56	67 61	70 51	73 48	79 47	81 50	88 67	83 67	81 55	89 54	88 61	81 56	77 55	65 61	73 57	72 51	65 48	65 42	68 39	69 50	70 45	76 46	71 52	61 57	70 48	73 43	74.7 53.9		
BELLEPLAIN STA FOREST	MAX MIN	92 63	85 71	77 63	75 61	76 61	72 50	72 40	75 42	81 43	87 61	84 70	82 65	87 60	90 55	85 54	79 55	75 55	73 42	78 55	74 45	65 32	65 32	68 54	70 43	69 45	74 55	67 51	72 58	69 51	72 45	76.3 51.0	
BELVIOERE	MAX MIN	85 66	82 59	75 54	74 53	67 56	66 46	69 40	73 40	74 47	79 64	78 66	78 56	82 50	80 57	77 48	75 45	73 53	65 52	65 40	61 33	60 35	60 41	65 41	62 42	68 53	67 55	62 53	67 46	70.9 49.2			
BOONTON 2 SE	MAX MIN	85 63	85 63	74 56	76 50	74 53	62 50	68 46	70 39	73 42	74 49	81 66	76 59	77 49	82 53	83 48	76 46	75 50	65 55	70 46	65 43	58 35	62 36	66 46	67 41	65 43	71 53	59 50	58 43	70.7 49.1			
BURLINGTON	MAX MIN	92 69	93 62	78 62	76 59	68 59	67 49	74 48	78 54	79 54	88 64	82 65	81 55	88 57	87 62	79 58	77 60	74 58	72 58	74 45	65 40	62 33	66 44	68 52	70 47	72 56	72 55	70 57	70 51	72 46	75.5 54.5		
CANOE BROOK	MAX MIN	85 58	86 64	74 55	76 54	74 54	61 50	67 40	74 42	76 46	78 52	84 69	85 55	77 49	85 51	85 52	75 44	75 51	66 54	70 45	68 40	61 33	60 36	66 38	68 47	72 59	67 51	61 54	65 46	71.8 48.4			
CAPE MAY 3 W	MAX MIN	83 71	78 74	78 65	77 61	75 68	73 57	72 52	75 53	76 55	83 70	83 73	83 65	80 64	83 70	79 65	74 62	74 65	74 66	78 55	74 47	65 55	68 48	68 59	68 53	70 59	70 63	68 60	72 59	71 60	75.2 61.1		
CHARLOTTEBURG	MAX MIN	84 59	86 68	76 53	76 50	73 51	60 46	65 38	70 38	74 44	73 67	80 57	75 49	76 50	82 50	83 47	75 49	73 44	63 54	67 43	63 32	57 33	65 35	64 35	67 41	65 42	70 51	58 48	71 40	69.9 47.0			
CHATSWORTH	MAX MIN	89 66	85 61	75 62	76 52	70 60	68 48	72 46	75 43	79 45	86 63	84 69	85 54	88 50	88 60	79 52	76 55	72 55	71 55	73 47	67 49	63 35	66 44	67 52	69 44	69 39	73 52	68 57	70 58	71 45	74.5 51.4		
ELIZABETH	MAX MIN	89 69	83 65	79 59	77 57	67 60	71 46	73 40	78 47	79 51	84 64	82 67	81 57	85 49	88 51	83 52	80 51	74 57	73 55	70 48	66 44	63 39	66 39	69 51	72 52	69 46	76 54	68 58	63 55	71 52	75.0 53.5		
ESSEX FELS SERV BLOG	MAX MIN	87 59	88 68	74 54	78 52	73 55	61 48	69 40	71 42	75 43	76 52	84 68	78 53	79 51	85 55	84 50	77 45	76 53	70 45	65 40	62 34	61 34	62 37	65 47	68 40	67 50	71 53	59 49	60 42	71.8 48.8			
FLEMINGTON 1 NE	MAX MIN	91 69	85 68	80 56	78 48	67 56	67 45	74 39	78 42	79 45	85 64	82 71	80 51	87 49	87 53	79 45	80 44	67 49	71 52	69 40	62 32	67 41	71 41	69 51	69 52	75 37	69 54	65 53	69 44	70 38	74.5 48.0		
FREEHOLD	MAX MIN	88 66	83 66	75 61	75 55	66 59	68 48	72 45	75 42	79 52	85 64	82 70	78 55	82 54	85 61	78 52	78 51	68 54	72 45	70 35	63 40	60 35	65 40	67 51	68 49	69 54	72 65	67 54	69 50	70 44	73.2 52.8		
HAMMONTON 2 NNE	MAX MIN	90 64	92 70	75 61	79 55	78 58	68 50	67 48	74 46	78 57	81 70	87 54	83 54	79 54	88 57	88 57	79 56	78 58	68 56	73 50	75 38	62 37	70 39	69 45	69 47	72 54	72 55	62 57	63 49	68 39	75.0 52.6		
HIGH POINT PARK	MAX MIN	85 63	85 64	65 53	72 53	72 48	56 39	62 38	65 42	72 51	70 54	76 62	73 54	83 62	83 55	73 61	73 47	60 45	65 39	65 32	55 34	56 41	60 42	66 43	67 49	67 55	72 54	62 47	63 46	70.4 48.1			
HIGHTSTOWN 1 N	MAX MIN	90 68	79 68	75 58	76 52	65 48	67 43	70 42	75 47	77 47	85 65	78 70	77 51	85 55	85 61	76 50	75 47	67 46	70 43	71 35	62 35	61 34	65 48	67 46	69 45	73 53	65 57	69 55	64 49	69 44	72.4 51.7		
INOIAN MILLS 2 W	MAX MIN	91 66	77 65	78 60	75 50	67 48	67 43	77 41	79 46	86 62	81 70	78 48	87 49	88 60	77 51	77 48	67 55	71 45	72 45	62 32	62 47	68 32	68 52	67 41	70 50	73 50	63 57	69 44	70 37	73.5 50.3			
JERSEY CITY	MAX MIN	79 67	77 63	75 60	72 60	65 52	68 47	67 42	70 52	71 56	82 66	81 57	79 60	85 57	86 63	77 57	75 54	67 53	70 48	69 40	63 35	59 40	60 40	64 53	67 52	70 56	65 62	66 54	69 55	70.7 55.5			
LAMBERTVILLE	MAX MIN	91 70	86 62	78 57	75 54	68 58	69 48	72 42	77 50	78 50	85 66	82 70	81 52	86 52	82 59	80 50	78 48	76 55	71 52	68 45	64 35	63 34	60 34	65 40	66 38	72 56	67 40	70 56	66 48	73.8 50.5			
LAYTON	MAX MIN	88 64	82 63	80 52	78 52	67 41	68 36	77 39	75 49	77 45	82 60	78 64	78 51	86 48	84 55	77 47	77 43	72 51	68 43	60 32	59 32	60 32	66 39	71 40	69 40	69 51	64 54	58 52	63 47	72.1 47.6			
LITTLE FALLS	MAX MIN	89 65	90 74	74 56	81 57	77 49	63 43	71 44	74 47	78 52	79 69	80 58	80 52	86 58	86 51	80 46	79 53	68 56	72 48	67 44	64 36	63 36	64 47	68 48	71 51	68 56	70 52	61 50	66 45	73.7 51.2			
LONG BRANCH	MAX MIN	80 69	75 65	74 60	74 55	67 50	67 52	69 48	71 51	75 51	87 67	79 60	78 57	77 55	88 60	77 53	74 48	69 53	72 48	70 39	63 39	60 31	64 39	67 55	67 44	70 49	71 56	62 57	68 51	69 44	71.8 54.7		
LONG VALLEY	MAX MIN	89 69	81 59	77 65	73 55	66 48	66 40	70 38	75 42	75 46	81 62	79 67	79 51	84 47	83 53	78 47	76 53	67 49	70 49	66 39	60 31	59 31	62 39	65 39	65 43	71 51	66 54	64 52	63 47	68 38	71.5 47.7		
MILLVILLE	MAX MIN	91 67	90 70	82 62	78 57	72 61	72 52	76 49	77 49	82 52	79 65	86 71	83 56	80 55	86 60	89 57	81 61	78 58	70 51	73 40	77 51	63 40	64 41	67 44	68 45	69 46	70 52	69 58	64 52	70 42	75.4 54.4		
MILLVILLE FAA AIRPORT	MAX MIN	91 65	81 66	79 61	78 53	72 60	67 46	73 44	74 47	79 50	87 69	83 56	81 55	86 52	88 64	81 60	76 52	71 46	72 51	75 49	63 35	62 38	65 46	66 50	69 57	70 54	68 52	71 41	65 45	70 39	74.2 53.3		
MOORESTOWN	MAX MIN	90 68	76 62	77 59	75 54	65 50	68 40	72 46	77 49	78 49	85 66	80 72	79 56	86 53	88 62	79 53	75 53	67 58	71 56	62 39	62 39	64 37	67 48	68 44	69 49	70 52	60 56	68 52	66 48	70 42	72.8 52.8		
MORRIS PLAINS 1 W	MAX MIN	87 62	87 68	73 58	79 49																												

DAILY TEMPERATURES

NEW JERSEY
SEPTEMBER 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	87	87	69	77	75	63	65	69	75	74	80	76	76	85	83	75	75	64	66	61	59	57	63	65	62	68	70	58	57	63	70.1	
	MIN	63	65	52	51	51	45	36	37	39	50	65	50	50	50	48	45	50	52	46	39	34	33	33	43	44	44	54	52	49	41	47.0	
TOMS RIVER	MAX	86	84	75	75	70	68	70	74	78	87	86	81	81	88	88	76	74	70	73	71	64	66	66	67	68	75	72	71	75	70	75.0	
	MIN	66	65	63	51	61	50	44	41	44	65	69	51	49	61	50	50	52	57	45	47	34	33	51	47	43	55	57	58	48	40	51.6	
TRENTON WB CITY	MAX	91	77	75	74	64	67	69	75	76	85	79	79	84	84	78	76	67	70	68	60	61	64	66	68	72	61	69	64	70	72.0		
	MIN	70	62	60	57	58	50	49	49	53	66	66	58	59	63	59	56	62	55	52	45	40	41	51	49	51	57	57	56	52	47	55.0	
TUCKERTON	MAX	81	79	74	75	70	70	70	73	75	83	82	78	79	84	80	74	70	72	76	70	62	65	68	68	69	74	67	70	68	69	73.2	
	MIN	68	67	63	50	62	50	44	42	44	67	71	54	51	67	55	53	58	57	51	50	35	33	55	46	51	58	59	60	51	45	53.9	
WOODSTOWN	MAX	93	84	78	76	68	68	73	77	81	87	85	83	88	88	81	77	68	72	73	65	64	68	67	69	71	69	65	70	67	72	74.9	
	MIN	66	65	59	56	60	51	45	46	51	67	67	52	52	60	52	55	57	55	47	48	35	36	44	42	43	51	56	57	46	40	52.0	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A EST	7:00 A EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	SSW	8	8.9	23	NE	23	84	84	54	70	5	4	3	0	1	0	13	63	5.6
LONG BRANCH	SW	13	10.2	52	E	27	-	83	56	69	4	4	2	0	1	1	12	62	5.0
NEWARK WB AIRPORT	SW	13	8.8	28	ENE	27	73	77	52	63	6	3	3	2	1	0	15	-	5.5
TRENTON WB CITY	-	-	8.0	34	W	18	-	-	-	-	4	2	3	0	1	1	11	62	5.8
6 12:00 NOON																			

DAILY SOIL TEMPERATURES

NEW JERSEY
SEPTEMBER 1962

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	83	77	80	76	71	75	74	75	75	75	76	77	79	77	77	78	70	71	68	69	67	64	65	69	65	70	65	66	65	66	72.2	
	MIN	74	72	70	68	69	66	64	63	64	69	69	66	65	69	67	66	67	64	62	61	58	56	59	60	59	61	62	62	61	59	64.4	
2 INCHES	MAX	82	77	78	75	71	75	73	74	77	75	76	76	78	76	76	76	69	71	68	68	66	64	65	68	65	70	65	65	64	66	71.6	
	MIN	74	72	70	69	69	66	64	64	69	69	69	66	65	68	67	64	67	65	62	61	58	56	59	60	59	61	62	62	60	59	64.5	
4 INCHES	MAX	79	76	76	73	71	72	71	72	72	73	74	73	74	73	73	73	69	70	67	67	67	65	64	64	66	63	69	65	64	64	69.9	
	MIN	74	72	71	70	69	67	66	65	66	70	70	68	66	69	68	66	68	66	64	63	60	58	60	61	60	62	62	62	61	60	65.5	
8 INCHES	MAX	77	76	74	73	72	71	70	70	70	72	72	71	71	72	71	71	69	69	68	66	65	63	64	65	64	66	65	64	64	64	68.8	
	MIN	74	73	72	71	70	69	67	67	68	68	70	69	68	69	69	68	67	67	66	65	63	61	62	62	62	63	63	63	63	61	66.7	
16 INCHES	MAX	73	74	73	71	72	71	70	69	70	70	70	70	69	70	70	69	69	69	68	67	66	65	64	64	64	65	65	64	64	64	68.4	
	MIN	73	72	72	71	70	70	69	68	68	69	70	69	68	69	69	69	69	69	68	67	66	65	64	64	64	64	64	64	63	63	67.4	
32 INCHES	MAX	70	71	71	71	71	71	70	69	69	69	69	69	69	69	69	69	69	69	68	67	67	66	66	65	65	65	65	64	64	64	68.0	
	MIN	70	70	71	70	70	70	69	68	68	68	69	69	68	68	68	68	69	68	67	67	66	66	65	65	65	65	64	64	64	64	67.4	
PLOT #2																																	
1 INCH	MAX	93	77	83	79	68	73	78	72	82	82	85	85	90	84	85	87	70	73	70	68	68	67	66	72	69	75	64	68	67	69	75.6	
	MIN	72	68	64	62	64	56	53	55	59	69	67	62	62	66	62	59	65	60	54	52	47	46	53	54	52	58	59	59	53	50	58.7	
2 INCHES	MAX	91	77	82	78	68	73	77	80	80	82	84	84	88	83	83	86	69	73	68	67	67	66	65	71	68	74	64	67	67	69	75.0	
	MIN	72	67	64	62	64	56	54	56	59	69	67	62	62	66	62	60	65	60	54	52	48	47	53	54	52	58	59	59	53	56	59.1	
4 INCHES	MAX	88	78	80	76	69	72	75	76	78	79	81	81	84	80	81	83	69	72	67	67	66	65	64	70	66	72	65	66	66	67	73.4	
	MIN	73	69	65	63	65	58	56	58	61	69	69	64	63	67	64	62	66	62	57	55	50	50	55	55	54	59	60	59	55	57	60.7	
8 INCHES	MAX	81	78	76	73	70	69	70	72	73	75	81	75	77	75	75	76	69	70	65	65	63	62	62	64	63	68	65	64	63	63	70.1	
	MIN	74	71	69	68	67	65	61	62	64	69	72	68	67	69	67	66	68	65	62	60	57	55	58	58	58	61	61	61	59	56	63.9	

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

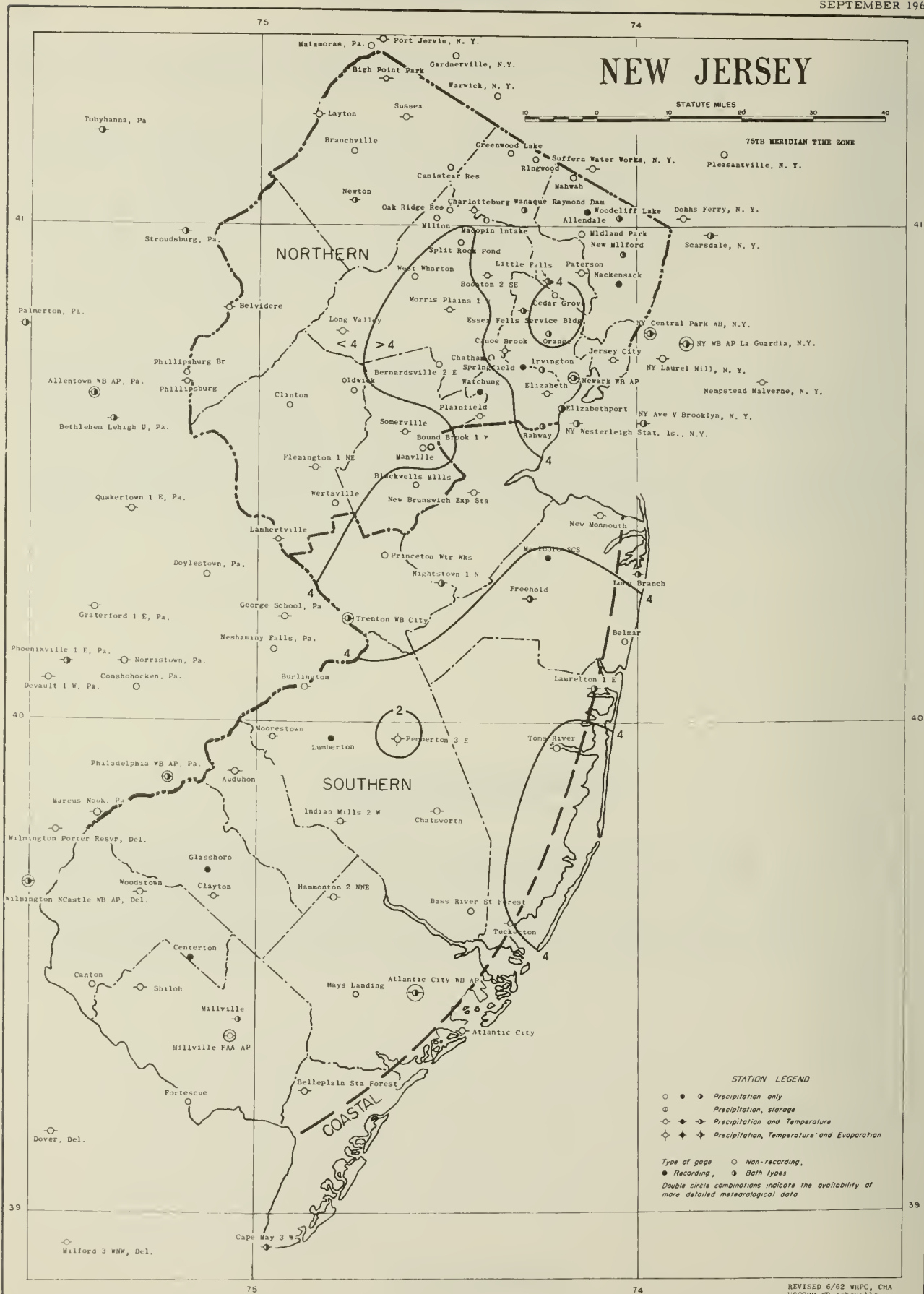
EVAPORATION AND WIND

STATION		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP WIND	.13 10	.01 16	.15 12	.16 12	- 3	- 30	.22 39	.14 8	.07 16	.15 18	.08 41	.23 37	.15 26	.13 14	.07 9	.20 25	.12 12	.00 10	.13 31	.04 8	.14 52	.06 31	.07 22	.10 19	.09 10	.05 31	.08 11	- 73	.03 17	.06 9	8	2.96 652
PEMBERTON 3 E	EVAP	.20	.06	.12	.21	*	.05	.14	.14	.10	.15	.27	.24	.15	.05	.15	.12	*	.12	.07	.08	.13	.09	.14	.04	.04	.02	.19	*	.09	.11	3.27	
	WIND	14	2	22	19	9	32	7	8	10	29	57	26	10	13	12	8	9	48	23	14	12	16	39	11	27	16	29	80	16	17	635	
	MAX MIN	97 77	94 72	82 65	81 60	69 60	80 57	81 55	84 55	85 57	91 70	90 72	84 60	87 60	87 65	83 66	81 59	79 62	76 60	73 51	72 53	72 44	75 41	71 55	72 49	71 49	73 58	72 60	73 59	70 55	70 50	79.3 58.5	

See reference notes following Station Index.

TOTAL PRECIPITATION

SEPTEMBER 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

SEPTEMBER 1962



STATION INDEX

NEW JERSEY
1962

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	59	MIO	MIO			C	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MIO	MIO			C	J. STATE MARINA
AUDUBON	0346	CAMDEN	2	39 34	75 04	50	11P	11P			H	IRVIN J. ARGENT
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20		9A			H	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELMAR / SW	0721	MONMOUTH	1	40 09	74 04	40		8A				BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275	5P	5P				C. CLEMENT HAUP
BERNARDSVILLE 2 E	0767	SOMERSET	8	40 43	74 32	240		7A				BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27		7A				HENRY H. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A	8A				JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20		7A				AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580		7A				ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040		8A				NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20		9A				GERTRUDE J. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P				N. WEST MAGNETITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400		8A				J. A. PLUNKETT
CENTERTON	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A				H. NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185		8A				EDWARD P. HOLIFOR
CHATSORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120		6P				H. HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300		6P				L. W. KLOCKNER
ELIZABETH	2844	UNION	1	40 40	74 14	33	5P	5P				UNION CO. PARK COMM.
ELIZABETHPORT	2852	UNION	8	40 38	74 12	10		MIO				SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A	8A				BOROUGH ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P	5P				H. DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5		7A				JOHN LOPER
FREEDHO	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C	H. FRANK J. MDREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135						C. GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	860		7A				GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10						C. BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	8A				W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C	H. JAMES R. PICKERING
INDIAN MILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P				H. EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120		MIO				C. JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135	MIO	MIO				JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P				H. E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MIO	MIO				C. H. PUBLICATION ENDOE B/62
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P	5P				C. CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A				C. H. PASSAIC VLT. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MIO	MIO				C. H. J. WILLIAM G. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				H. ARTHUR BARKMAN
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25						C. JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						C. INACTIVE 1/61
MAHAH	5104	BERGEN	8	41 08	74 10	253		7A				C. ROBERT G. GLASGOW
MARVILLE	5197	SOMERSET	10	40 33	74 34	50		8A				C. JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120						C. GEROW BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10		9A				C. H. COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210		MIO				C. RIGWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MIO				C. H. L. J. GALLAMER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MIO	MIO				H. FED. AVIATION AGENCY
MILTON	5597	BURLINGTON	8	41 01	74 32	950		7A				JERSEY CITY WATER WKS.
MOORESTOWN	5728	MORRIS	2	39 58	74 58	55	MIO	8A				H. J. WILLARD
MORRIS PLAINS 1 W	6026	ESSEX	8	40 50	74 30	400	8A	8A				H. JOSEPH H. GARRIS, II
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MIO	MIO				U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P				GH. ARTHUR M. AHLQUIST
NELMILFO	6146	BERGEN	4	40 57	74 02	12		MIO				C. HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	10	4P	4P				ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A				C. H. NEWTON WTR. + SWR. COMM.
OLD RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870		8A				NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A				DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140		MIO				C. COUNTY ENGINEER
PATERSON	6755	PASSAIC	8	40 54	74 09	100	8A	8A				H. P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P				PHILIP E. MARUCCI
PHILLIPS	6974	WARREN	2	40 41	75 12	182	3P	3P				H. SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196		9A				JOINT MIL. BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P				H. HES VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	5	40 23	74 40	40		MIO				PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20		MIO				C. H. RAHWAY VLT. SWG. AUTH.
RANDWOOD	7587	PASSAIC	8	41 08	74 18	305		10A				H. NEW JERSEY WTR. SUPPLY
SHILOH	8091	CUMBERLAND	2	39 28	75 18	120	5P	5P				EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P				H. W. E. HAYVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800		10A				JERSEY CITY CO. P. W.
SUNGLIMFORD	8423	UNION	1	40 43	74 37	440	7A	7A				C. N. J. DEPT. OF CONS.
SUSSEX	8464	SUSSEX	5	41 13	74 37	140		6P				BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P				TOMS RIVER WATER CO.
THRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MIO	MIO				C. H. U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P				REV. WALTER T. GANOCK
WATKINS RAYMOND DAM	9187	PASSAIC	8	41 03	74 25	10		MIO				C. H. WATER SUPPLY COMM.
WATCHUNG	9273	UNION	8	40 40	74 25	-		7A				C. BONNIE BURN SANITARIUM
WERTSVILLE	9368	HUNTERDON	10	40 27	74 48	160		7A				ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	7A	7A				C. N.J. POW. + LIGHT CO.
WOODSTUFF LAKE	9812	BERGEN	4	41 01	74 03	103		MIO				C. HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50		5P				C. CREAM VALLEY DORY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N.C. --- 11/8/62 ---850

337.05
UNNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

OCTOBER 1962
Volume 67 No. 10



ASHEVILLE: 1962

10 10 1962
UNIVERSITY OF ALABAMA

CLIMATOLOGICAL DATA

NEW JERSEY
OCTOBER 1962

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max. Min.									Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	0° or Below	0° or Below										
NORTHERN																								
RELVIERE	65.5	42.6	54.1	- 0.8	83	12	24	30+	338	0	0	5	0	3.44	.02	.98	31	2.0	0		7	3	0	
BOONTON 2 SE	64.1	40.6	52.4	- 0.9	80	13	23	26+	385	0	0	5	0	3.69	.29	1.46	5	T	27+	6	2	1		
CANOE BROOK	65.7	40.4	53.1	- 0.6	84	13	22	30+	365	0	0	6	0	3.50	.09	1.97	5	T	26	5	1	1		
CHARLOTTEBURG	63.1	39.6	51.4	- 0.9	81	13	24	30+	419	0	0	7	0	5.32	1.48	1.71	5	1.0	1	27	8	4	2	
ELIZARETH	67.6	45.9	56.8	0.1	86	12	28	25	266	0	0	3	0	3.04	.49	1.54	5	T	0		6	1	1	
ESSEX FELS SERV BLOG	64.5	40.7	52.6		83	13	24	31+	378	0	0	6	0	4.24		2.47	5	.0	0		6	2	1	
ELEMINGTON 1 NE	67.5	41.1	54.3	- 1.5	85	12	20	30+	325	0	0	9	0	2.43	- .89	.82	5	.5	T	26	6	2	0	
HIGH POINT PARK	60.6M	41.0M	50.8M		80	13	23	25	433	0	0	6	0	3.98		1.20	5	T	0		8	2	2	
JERSEY CITY	63.6	48.0	55.8	- 0.9	83	12	33	30+	285	0	0	0	0	3.23	.05	1.39	5	.0	0		6	1	1	
LAMBERTVILLE	67.9	43.3	55.6	0.1	85	12	24	30	289	0	0	4	0	1.56	- 1.44	.48	26	1.0	0		4	0	0	
LAYTON	65.1	39.8	52.5		83	12	22	30+	382	0	0	9	0	4.08		1.42	5	T	0		11	2	2	
LITTLE FALLS	67.0	43.7	55.4	0.0	86	13	26	30+	302	0	0	3	0	5.58	1.88	3.25	5	.2	T	26	8	3	1	
LONG VALLEY	65.0	40.3	52.7		83	12	20	30+	378	0	0	9	0	3.91	.34	1.35	5	4.0	0		7	3	1	
MORRIS PLAINS 1 W	65.6	41.1	53.4		83	13	22	25	357	0	0	5	0	3.40		1.50	5	T	0		6	2	1	
NEWARK WR AIRPORT	65.7	48.9	57.3	0.7	86	12	32	27	250	0	0	1	0	3.72	.61	2.22	5	T	0		7	1	1	
NEWTON	63.5	38.2	50.9	- 1.6	83	13	20	26+	435	0	0	11	0	3.23	- .19	1.06	5	T	0		7	2	1	
RATERSON	66.7	45.6	56.2	0.1	85	13	31	25	274	0	0	3	0	5.98	2.51	2.55	5	T	0		8	3	1	
PHILLIPSBURG	68.7	43.3	56.0	1.5	83	12	25	30+	279	0	0	5	0	2.72	- .70	.93	31	.0	0		6	2	0	
PLAINFIELD	66.5	44.4	55.5	- 0.4	86	12	26	30+	300	0	0	4	0	2.94	- .52	1.74	5	T	0		5	1	1	
SOMERVILLE	66.3	43.0	54.7	- 0.6	84	12	22	30+	320	0	0	5	0	1.93	- 1.42	.54	9	1.0	0		6	1	0	
SUSSEX	63.5	40.2	51.9	- 1.3	83	13	23	26+	407	0	0	5	0	3.30	.02	1.13	5	.0	0		6	2	2	
DIVISION			54.0	- 0.5										3.58	.16			.5						
SOUTHERN																								
ATLANTIC CITY WR AP	67.5	46.7	57.1	- 0.1	86	12	30	25	250	0	0	3	0	2.04	- 1.16	.68	9	T	0		5	2	0	
AUDUBON	68.8	45.6	57.2		86	12	28	30	244	0	0	5	0	1.74		.64	9	T	0		5	1	0	
BEELFPLAIN STA FOREST	69.5	42.3	55.9		87	12	22	25	282	0	0	6	0	1.32	- 2.37	.30	4	.0	0		5	0	0	
BIRLINGTON	68.9	46.6	57.8	- 0.2	86	12	30	30+	232	0	0	2	0	1.96	- 1.39	.98	9	1.0	1	26	3	1	0	
CHATEAUBERT	68.6	43.1	55.9		86	12	22	30+	284	0	0	5	0	1.88		.69	9	.0	0		4	1	0	
FREEHOLD	66.4	45.5	56.0	- 0.1	84	12	27	30	280	0	0	4	0	2.23	- 1.36	.98	5	1.8	0		3	2	0	
HAMMONTON 2 NNE	67.8	44.5	56.2	- 1.0	86	13	27	30	274	0	0	5	0	1.38	- 2.31	.41	10	.0	0		4	0	0	
HIGHTSTOWN 1 N	66.2	44.4	55.3	- 0.6	85	12	24	30	301	0	0	4	0	2.05	- 1.27	.87	9	1.3	0		3	1	0	
INDIAN MILLS 2 W	67.2	42.4	54.8	- 1.1	86	12	22	30	312	0	0	5	0	1.92	- 1.49	.76	9	T	0		5	1	0	
MILLVILLE	68.3	45.2	56.8		85	13	29	27	257	0	0	4	0	.84		.24	9	T	0		3	0	0	
MILLVILLE FAA AIRPORT	67.6	45.0	56.3		86	12	27	25	270	0	0	5	0	.95		.35	9	T	0		2	0	0	
MOORESTOWN	66.6	44.6	55.6	- 0.3	84	12	25	30	287	0	0	5	0	2.75	- .31	1.95	9	T	26		3	1	1	
NEW BRUNSWICK EXP STA	66.8	45.6	56.2	0.1	84	12	27	30	272	0	0	4	0	2.39	- .77	1.03	5	1.5	0		4	3	1	
NEW MONMOUTH	66.8	46.1	56.5		84	12	27	30	270	0	0	4	0	3.15		1.91	5	T	0		5	2	1	
PEMBERTON 3 E	68.0	43.7	55.9	- 0.9	84	12	23	30	283	0	0	4	0	2.07	- 1.20	.85	9	1.3	0		5	2	0	
SHILOH	68.5	46.3	57.4	0.1	85	12	27	25	240	0	0	4	0	.95	- 2.21	.30	9	.0	0		3	0	0	
TOMS RIVER	67.7	43.2	55.5		87	12	22	30+	300	0	0	5	0	6.03		3.55	4	T	0		4	3	2	
TRENTON WB CITY	66.1	47.7	56.9	0.1	85	12	32	26+	257	0	0	2	0	1.61	- 1.23	.71	9	1.6	1	26	5	1	0	
TUCKERTON	67.1	44.7	55.9		87	12	25	30	290	0	0	3	0	2.21		1.40	5	.0	0		4	2	1	
WOODSTOWN	68.6	45.1	56.9		85	12	25	30+	259	0	0	4	0	1.14		.45	26	.3	0		4	0	0	
DIVISION			56.3	- 0.2										2.03	- 1.32			.4						
COASTAL																								
ATLANTIC CITY	65.2	50.0	57.6	- 1.1	84	12	33	27+	234	0	0	0	0	2.38	- 1.01	1.10	5				4	2	1	
CAPE MAY 2 W	67.7	52.8	60.3		80	12	15	25	169	0	0	0	0	1.58		.41	9	.0	0		6	0	0	
LONG BRANCH	64.8	46.6	55.7	- 0.5	84	12	29	25	292	0	0	5	0	2.17	- 1.54	.78	5	.8			6	2	0	
DIVISION			57.9	- 0.1										2.04	- 1.26			.4						

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 87° on the 30+ at 3 Stations.

Lowest Temperature: 20° on the 30+ at 3 Stations.

Greatest Total Precipitation: 6.76 inches at Greenwood Lake.

Least Total Precipitation: 0.84 inch at Millville.

Greatest one-day Precipitation: 3.55 inches on the 4th at Toms River.

Greatest Reported Total Snowfall: 4.0 inches at Long Valley.

Greatest Reported Depth of Snow on Ground: 2 inches on the 26th at Blackwell Mills, and on the 27th at Oak Ridge Reservoir.

DAILY PRECIPITATION

NEW JERSEY
OCTOBER 1962

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ATLANTIC CITY WB AP	2.04				.28	.55				.68	T											.01	T	.05		.29	.12			.04	T	.02			
ATLANTIC CITY	2.38				.28	1.10				.51	.02											.01	.03	.07		.23	.03			.02	.04	.04			
AUGUBON	1.74			T	.22	.07				.64	T														T	.10	.39				.02	.04	.08		
BASS RIVER ST FOREST	3.14				.17	.77				.68													.05			.10	.05	.26			.09	.09	.03		
BELLEPLAIN STA FOREST	1.32				.30		.01	.28															.07	.15			.36			.07	.04	.01			
BELVIDERE	3.44				.09	.64	.18			.69	.07			.12								.02			.03		.02	.25			.02	.33	.98		
BERNARDSVILLE 2 E	2.95					1.23	.29			.02	.56		.09												.07		.10	.10			.06		.43		
BLACKWELLS MILLS	1.69				.03	.48	.12			.59																.05	.25					.17			
BOONTON 2 SE	3.69				T	1.46	.40			.23	.47		.14	T								T	T	T		.05	.06	.07				.81	.08		
BOND BROOK 1 W	1.59					.53	.08			.55																.05	.09	T		.04		.25			
BRANCHVILLE	3.07				1.08	.21			T	.14		.12	.19	.08									T	.05	.03	.05	T	.06				1.06	.08		
BURLINGTON	1.96			T	.25	.05				.98	.09														.03		.40			T	.08		.08		
CANISTEAR RESERVOIR	3.93				T	1.50	.42		T	.19	.06		.30										T			T	.03	T	.20		.02	1.21	.08		
CANOE BROOK	3.50				.01	1.97	.29			.04	.39	T	.04													.05	.17	.07		.03		.44	.38		
CANTON	1.16					.29	T			.36	.13																T								
CAPE MAY 3 W	1.58			.01	.19	.25				.41	.04													.10		.12	.05	.31			.07	.03	.95		
CEDAR GROVE	5.40					2.75	.78			.06	.55		.11													.05	.15					.95			
CHARLOTTEBURG	5.32					1.71	.66			.20	.78		.24	T									.02			.10		.02	.21		.01	1.37	.08		
CHATHAM	3.36					1.60	.50			.01	.38		.01															.15	.14	.02		.55	.04		
CHATSORTH	1.88				.04	.40				.69																		.48	.03		.09		.04		
ELIZABETH	3.04				.03	1.64	.17			.35	.07		.03																				.18		
ELIZABETHPORT	3.08				.10	1.56	.18			.49	.06	T															.18	.23		.03	.03	.15	.18		
ESSEX FELS SERV BLOG	4.24					2.47	T			.42	.10		.28															.27	T		.70	.06	.06		
FLEMINGTON 1 NE	2.43				.02	.82	.15			.57	.12		.35											T		.20		.39	.04	T	.09	.03	.03		
FORTESCUE	1.02					.27																					.11			.39		.06	.04	.04	
FREEMOLD	2.23				.07	.98	.06			.38	.03																	.02					.07	.07	
GREENWOOD LAKE	6.76				.02	1.72	1.92		.02	.23	.45		.43	.05												.04	.09	.04	.25		1.50	.08	.08		
HAMMONTON 2 NNE	1.38			.01	.02	.24				.41																	.15	.35	.09		.03		.08	.08	
HIGH POINT PARK	3.98				T	1.20	.37	.03		.22	.11		.47	.13														.05	T	.24	.07	1.02	.02		
HIGHTSTOWN 1 N	2.05				.07	.45	.07			.87	.06														T	.07	T		.43	T		.08	.02	.02	
INDIAN HILLS 2 W	1.92				.04	.21				.76	.05																.25	.14	.37	T	.02	.04	.04	.04	
IRVINGTON	3.02				.20	1.59	.03		.01	.48	.05	.03																.15	.14		.31	.02	.02		
JERSEY CITY	3.23				.08	1.39	.29			.35	.06	.07	.06																			.12	.08	.08	
LAMBERTVILLE	1.56			.01	.01	.31	.01			.47	.03																					.08	.08	.08	
LAYTON	4.08				.12	1.42	.10			.12	.11	.17	.18	.01															.12	.03	.10	.31	1.25	.08	
LITTLE FALLS	5.58					3.25	.51			.13	.37		.14	.02																			.83	.04	.04
LONG BRANCH	2.17				.25	.78	.01			.25																							.02	.20	.02
LONG VALLEY	3.91				.06	1.35	.20			.83	.06		.18																.02	.32	.05	.02	.18	.56	.06
MAHAM	6.13				.01	1.47	1.54			.15	.79		.43	.02															.13	.07	.29	T	.06	.06	
MANVILLE	1.82				.66					.50																			.12	.21	.05		.23	.05	
HAYS LANOING	1.90					.32				1.14																							.03	.04	.04
MILANO PARK	5.88				.11	2.12				1.73	.05	.23	.01																.12	.25	T		.05	.05	
MILLVILLE	.84			T	.14	.03				.24	T																						1.10	.05	.05
MILLVILLE FAA AIRPORT	.95				.25	.03				.35	.01																						.04	.04	.04
MILTON	4.27				.95	.96				.29	.16	.06	.22																				.07	.07	.07
MOORESTOWN	2.75					.18				1.95	.05																						.09	.09	.09
MORRIS PLAINS 1 W	3.40				.02	1.50	.22	T		.35	.42	T	.12																			.63	.06	.06	
NEWARK WB AIRPORT	3.72			T	.21	2.22	.10		.01	.23	.02	.05	T																			.02	.27	.06	.06
NEW BRUNSWICK EXP STA	2.39					1.03	.04			.51	.10																					.06	.05	.05	
NEW MILFORD	3.50				.06	1.52				.46	.04	.18	.04																			.62	.02	.02	
NEW HONMOUTH	3.15			T	.02	1.91	.21	T		.27	.02																						.17	.03	.03
NEWTON	3.23					1.06	.22			.24	.12		.35	.04																			.98	.08	.08
OAK RIDGE RESERVOIR	3.42					1.55	.44			.29	.18		.36	.04																			.05	.05	.05
OLDWICK	2.83				.01	1.26	.15	T		.47		.11																					.07	.35	.35
ORANGE	4.76					3.38				.36	.26																						.07	.07	.07
PATERSON	5.98					2.55	.96	.01		.85			.24	.12																			.60	.60	.60
PEMBERTON 3 E	2.07				.05	.21	.02			.31	.09																						.01	.84	.84
PHILLIPSBURG	2.72					.75	.10			.31	.09																						.14	.02	.02
PHILLIPSBURG BRIDGE	2.69																																		

DAILY TEMPERAT URES

NEW JERSEY
OCTOBER 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	75	75	73	70	70	72	70	71	70	71	82	86	70	72	71	72	70	65	69	74	73	64	66	55	48	43	51	63	60	62	60	67.5
	MIN	47	47	47	61	60	58	55	49	55	56	52	60	49	43	50	62	52	44	41	42	47	43	48	36	30	33	31	40	35	31	45	46.7
ATLANTIC CITY	MAX	71	72	71	67	70	71	70	69	68	71	79	84	69	65	66	67	70	62	63	66	74	64	62	53	45	43	51	59	58	60	60	65.2
	MIN	55	53	54	63	62	58	55	52	59	55	54	60	54	49	56	63	55	49	48	48	50	46	46	37	36	33	33	46	38	36	46	50.0
AUDUBON	MAX	77	77	75	71	69	74	71	66	72	71	81	86	74	73	76	78	75	68	71	73	76	66	66	56	48	43	53	67	60	59	61	68.8
	MIN	46	48	50	50	61	60	58	48	54	55	50	55	48	40	47	55	54	39	39	40	52	43	46	41	30	30	31	37	32	28	46	45.6
BELLEPLAIN STA FOREST	MAX	75	76	74	72	73	74	72	72	70	72	82	87	85	73	72	73	73	70	68	73	73	70	68	58	51	48	52	66	64	57	62	69.5
	MIN	42	41	43	51	54	51	53	43	50	49	45	52	52	34	44	52	60	47	32	31	40	35	46	34	22	32	30	41	46	24	46	42.3
BELVIOERE	MAX	71	73	72	71	63	67	66	66	62	71	77	83	78	69	68	74	74	67	70	73	69	65	61	58	48	45	51	65	61	45	46	65.5
	MIN	39	40	43	56	58	55	56	45	54	51	49	55	48	36	44	53	54	35	34	36	50	34	39	36	24	32	29	29	41	24	41	42.6
BOONTON 2 SE	MAX	67	69	73	72	68	65	62	65	70	60	68	76	80	63	67	63	72	70	65	70	72	70	64	61	52	46	48	63	48	59	64.6	
	MIN	38	39	41	42	55	57	51	48	50	51	48	50	51	37	41	46	54	37	33	34	36	35	39	40	23	23	34	29	33	25	31	40.6
BURLINGTON	MAX	75	77	75	75	68	70	69	67	67	73	82	86	80	71	74	77	78	67	70	72	75	70	64	59	51	42	52	66	62	61	62	68.9
	MIN	46	47	46	56	58	56	57	45	51	54	54	53	53	47	54	55	60	46	43	44	51	45	45	33	33	30	37	37	30	47	46.6	
CANOE BROOK	MAX	70	71	74	72	70	66	65	67	72	60	69	78	84	65	69	65	76	71	65	68	71	72	65	64	54	46	42	51	66	48	60	65.7
	MIN	39	40	43	45	55	56	52	44	49	51	47	52	51	33	42	45	55	32	35	40	38	33	35	35	22	27	29	33	42	22	31	40.4
CAPE MAY 3 W	MAX	75	75	73	72	68	70	68	71	68	69	78	80	78	71	71	70	71	69	66	68	70	71	67	68	54	46	51	62	61	58	61	67.7
	MIN	61	51	52	64	64	61	60	55	61	57	62	65	59	49	55	63	65	49	48	47	49	49	48	46	35	39	38	46	52	37	50	52.8
CHARLOTTEBURG	MAX	66	69	73	73	68	64	61	62	71	58	67	75	81	61	67	61	73	68	62	68	71	70	62	61	51	44	46	47	63	46	57	63.1
	MIN	38	37	38	41	50	54	45	48	49	49	47	52	47	37	43	45	55	38	31	33	40	36	38	37	24	24	31	31	40	24	25	39.6
CHATSWORTH	MAX	76	76	74	70	68	70	69	70	69	71	80	86	83	71	71	77	73	72	70	72	73	73	71	56	52	43	51	66	59	53	61	68.6
	MIN	42	44	46	57	60	60	54	45	53	54	49	53	47	37	46	53	61	37	34	38	41	41	36	37	22	22	29	29	41	22	46	43.1
ELIZABETH	MAX	75	76	74	69	67	64	70	75	65	69	78	86	79	70	64	78	76	70	69	72	74	69	63	59	49	43	54	68	62	50	60	67.6
	MIN	43	46	53	59	60	57	54	42	46	52	64	59	51	40	49	55	60	40	40	43	50	40	42	38	28	33	31	34	40	29	44	45.9
ESSEX FIELDS SERV BLDG	MAX	68	70	73	73	67	66	60	66	73	58	69	78	83	65	68	63	75	70	65	65	70	71	65	64	53	44	38	50	65	47	59	64.5
	MIN	41	41	43	49	57	55	54	45	46	50	50	55	48	36	36	50	55	37	36	37	40	35	35	36	24	24	27	30	42	24	24	40.7
FLEMINGTON 1 NE	MAX	74	78	76	70	69	66	67	75	66	71	79	85	81	72	70	79	75	66	73	76	73	65	63	58	48	45	51	66	60	45	49	67.5
	MIN	37	40	45	53	58	56	56	44	52	49	47	50	48	33	49	49	54	32	30	32	46	31	34	39	20	32	30	27	42	20	40	41.1
FREEHOLD	MAX	74	74	72	68	69	66	68	69	67	70	78	84	76	68	67	78	72	65	68	70	73	64	63	55	47	41	50	66	56	61	60	66.4
	MIN	46	46	52	57	59	57	54	48	56	51	52	57	49	40	49	54	60	40	37	39	48	38	43	38	28	32	31	38	39	27	45	45.5
HAMMONTON 2 NNE	MAX	72	77	77	76	70	69	71	69	68	69	70	81	86	68	73	75	78	71	65	70	71	74	65	64	54	47	44	52	65	52	60	67.8
	MIN	47	46	46	48	61	58	54	48	51	54	51	52	50	40	46	47	59	41	39	40	42	43	44	39	28	30	30	31	47	27	39	44.5
HIGH POINT PARK	MAX	64	67	72	71	66	60	56	55	68	52	64	72	80	60	61	60	71	65	60	66	70	65	60	58	41	38	48	59	43	46	60.6	
	MIN	41	45	51	54	52	50	50	47	48	46	46	52	42	37	40	46	52	37	37	44	46	34	35	23	24	29	32	33	27	31	41.0	
HIGHTSTOWN 1 N	MAX	72	74	70	68	69	68	67	69	68	70	78	85	69	68	77	70	63	68	70	73	73	63	62	55	48	42	51	65	59	50	61	66.2
	MIN	45	45	52	57	59	58	54	46	55	51	50	56	47	37	46	55	60	36	35	36	45	37	41	37	26	32	31	35	44	24	45	44.4
INOIAN MILLS 2 W	MAX	75	77	74	70	67	70	68	70	68	71	80	86	77	73	73	77	72	65	72	72	73	63	62	53	46	41	51	65	59	53	60	67.2
	MIN	40	42	45	57	61	59	55	43	51	53	47	54	50	34	44	54	53	33	30	33	42	34	38	37	24	32	29	36	37	22	45	42.4
JERSEY CITY	MAX	71	71	65	68	70	63	65	69	61	69	75	83	64	65	60	70	70	63	64	68	72	62	60	54	44	40	50	64	58	57	57	63.6
	MIN	53	51	52	57	60	54	53	52	55	52	56	62	52	46	51	56	52	48	44	44	51	42	48	39	35	33	35	40	37	33	46	48.0
LAMBERTVILLE	MAX	75	77	73	71	67	71	68	66	67	73	80	85	80	72	71	78	73	67	72	73	74	70	66	56	48	43	52	66	60	51	59	67.9
	MIN	42	43	49	56	60	58	55	44																								

DAILY TEMPERAT URES

NEW JERSEY
OCTOBER 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	70	63	74	75	67	63	63	69	70	55	69	71	83	67	61	63	75	65	64	71	75	67	63	59	52	49	38	50	64	47	47	63.5
	MIN	38	39	39	41	56	53	53	49	49	49	50	49	48	39	45	51	56	36	33	33	34	35	35	37	23	23	32	34	35	25	27	40.2
TOMS RIVER	MAX	74	72	70	69	72	74	68	67	68	67	80	87	86	63	67	77	76	64	65	69	73	71	67	64	52	46	50	65	63	58	56	67.7
	MIN	42	44	49	65	60	58	55	46	53	54	48	55	47	36	44	52	48	36	32	34	40	40	36	38	24	22	30	37	47	22	45	43.2
TRENTON W8 CITY	MAX	74	76	71	69	68	68	68	66	65	70	80	85	66	70	70	76	72	65	68	71	72	63	62	52	46	41	51	66	61	61	56	66.1
	MIN	48	51	53	60	60	59	55	50	56	52	56	59	51	46	51	57	53	45	44	45	50	43	46	37	32	32	33	41	35	33	46	47.7
TUCKERTON	MAX	72	70	70	70	73	70	70	70	70	70	82	87	83	67	67	71	70	70	65	68	70	70	65	54	50	44	51	62	60	55	60	67.1
	MIN	40	46	44	58	61	60	55	47	53	54	50	57	48	36	44	60	63	40	35	36	40	40	39	37	26	33	31	39	43	25	46	44.7
WOODSTOWN	MAX	75	76	74	72	71	72	71	68	70	72	81	85	81	71	74	77	74	67	69	72	73	69	65	62	48	43	51	67	62	55	60	68.6
	MIN	44	46	48	59	62	58	55	45	53	55	49	54	50	39	47	57	62	38	36	40	46	36	46	39	25	29	29	37	40	25	46	45.1

EVAPORATION AND WIND

Station		Day of month																															Total of Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP WIND	.11 14	.10 22	.10 9	.09 14	- 19	- 28	.13 74	.16 35	.09 15	.01 18	.09 16	.07 10	.15 64	.11 28	.09 9	.05 15	.05 45	.14 36	.08 11	.06 11	.08 21	.05 27	.08 20	.06 35	.01 46	.05 19	- 35	.03 42	.21 100	.08 32	- 22	8 2.68 892
PEMBERTON 3 E	EVAP	.09	.04	.11	.00	*	.04	.11	.07	.14	.08	.05	.10	.12	.07	.08	.08	.12	.09	.07	.10	.12	.04	.00	.05	.06	.02	.08	.05	.11	.03	.02	2.14
	WIND	9	6	10	14	29	5	59	10	8	33	18	31	35	5	13	19	20	6	12	8	18	13	22	59	10	54	99	37	48	15	37	762
	MAX MIN	74 52	78 54	79 62	78 62	70 64	75 65	74 57	70 52	70 58	73 58	76 56	83 61	81 58	70 48	72 53	77 66	72 62	77 47	70 44	71 45	68 54	67 47	59 49	54 41	54 34	45 34	50 33	63 36	63 51	- 35	60 35	69.7 51.3

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A EST	7:00 A EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
ATLANTIC CITY W8 AIRPORT	N	11	8.3	23++	W	26	80	85	52	73	3	4	3	2	0	0	12	55	5.7	
ATLANTIC CITY (ST. MARINA)	-	-	12.6	40++	N	9	-	-	-	-	-	8	2	1	1	0	-	-	-	
LONG BRANCH	NW	12	8.0	44	S	30	-	82	56	69	3	1	4	2	0	0	10	56	5.5	
NEWARK W8 AIRPORT	NW	13	8.5	25++	NNW	29	73	76	52	64	4	6	6	0	0	1	17	-	6.1	
TRENTON W8 CITY	W	-	7.7	27	NW	7	-	-	-	-	2	3	4	1	0	0	10	58	5.8	

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

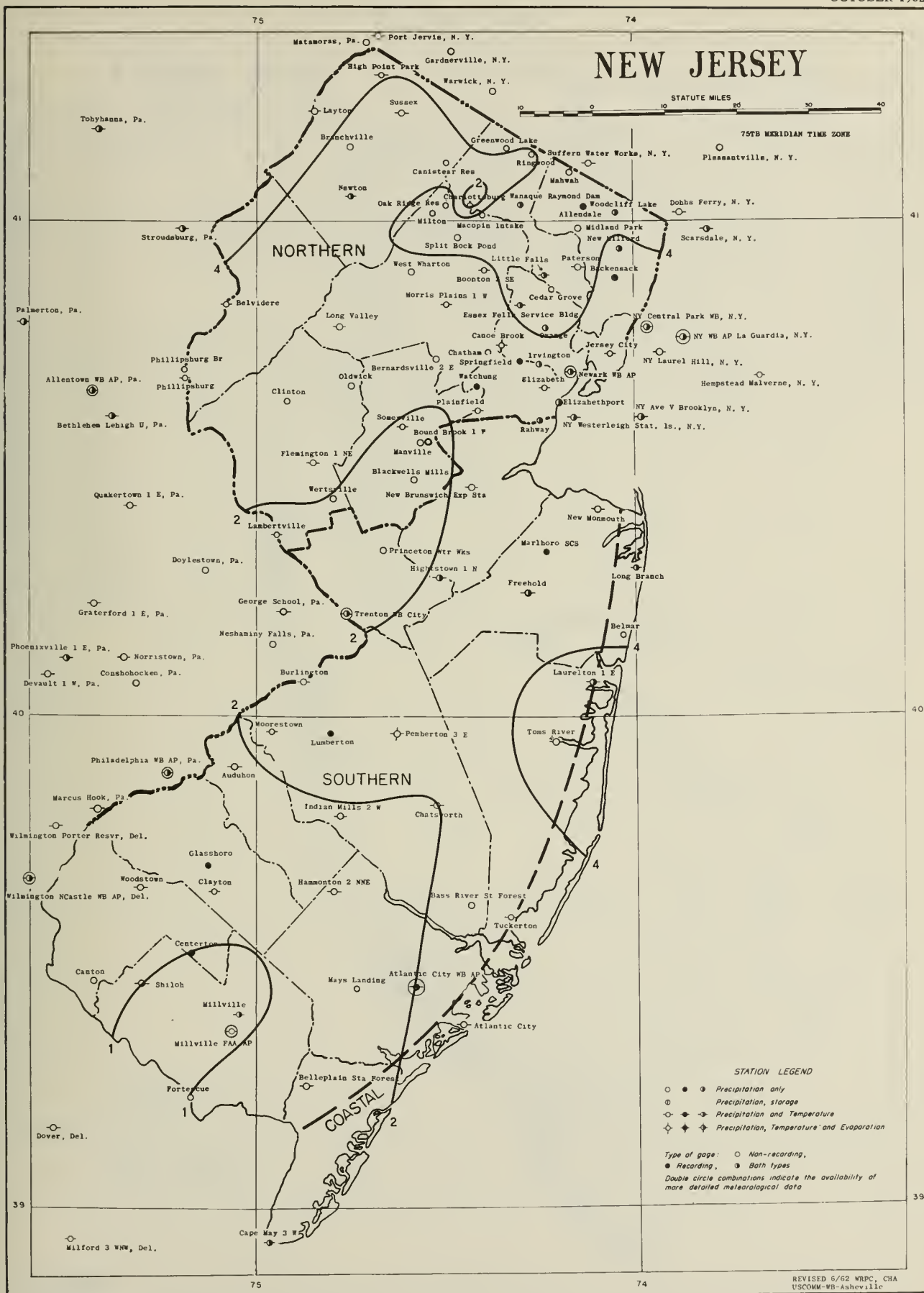
NEW JERSEY
OCTOBER 1962

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AIRPORT	SNOWFALL SN ON GND																											T					
BELVIOERE	SNOWFALL SN ON GND																										2.0						
CHARLOTTESBURG	SNOWFALL SN ON GND																										T	1.0					
FLEMINGTON 1 NE	SNOWFALL SN ON GND																										.5	T					
FREEHOLO	SNOWFALL SN ON GND																										1.8						
HIGHTSTOWN 1 N	SNOWFALL SN ON GND																										1.3	T					
INDIAN MILLS 2 W	SNOWFALL SN ON GND																										T	T					
LAMBERTVILLE	SNOWFALL SN ON GND																										1.0	T					
LITTLE FALLS	SNOWFALL SN ON GND																										.2	T					
LONG BRANCH	SNOWFALL SN ON GND																										.8						
LONG VALLEY	SNOWFALL SN ON GND																										3.6	.4					
MILLVILLE	SNOWFALL SN ON GND																									T							
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GND																										T						
MOORESTOWN	SNOWFALL SN ON GND																										T	T					
MORRIS PLAINS 1 W	SNOWFALL SN ON GND																										T	T	T				
NEWARK WB AIRPORT	SNOWFALL SN ON GND																										T						
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND																										1.5						
NEWTON	SNOWFALL SN ON GND																												T				
PEMBERTON 3 E	SNOWFALL SN ON GND																										1.0	.3					
PLAINFIELD	SNOWFALL SN ON GND																									T	T						
RAHWAY	SNOWFALL SN ON GND																											T					
SOMERVILLE	SNOWFALL SN ON GND																											1.0					
TRENTON WB CITY	SNOWFALL SN ON GND																									T	1.6	1					

See reference notes following Station Index.

TOTAL PRECIPITATION

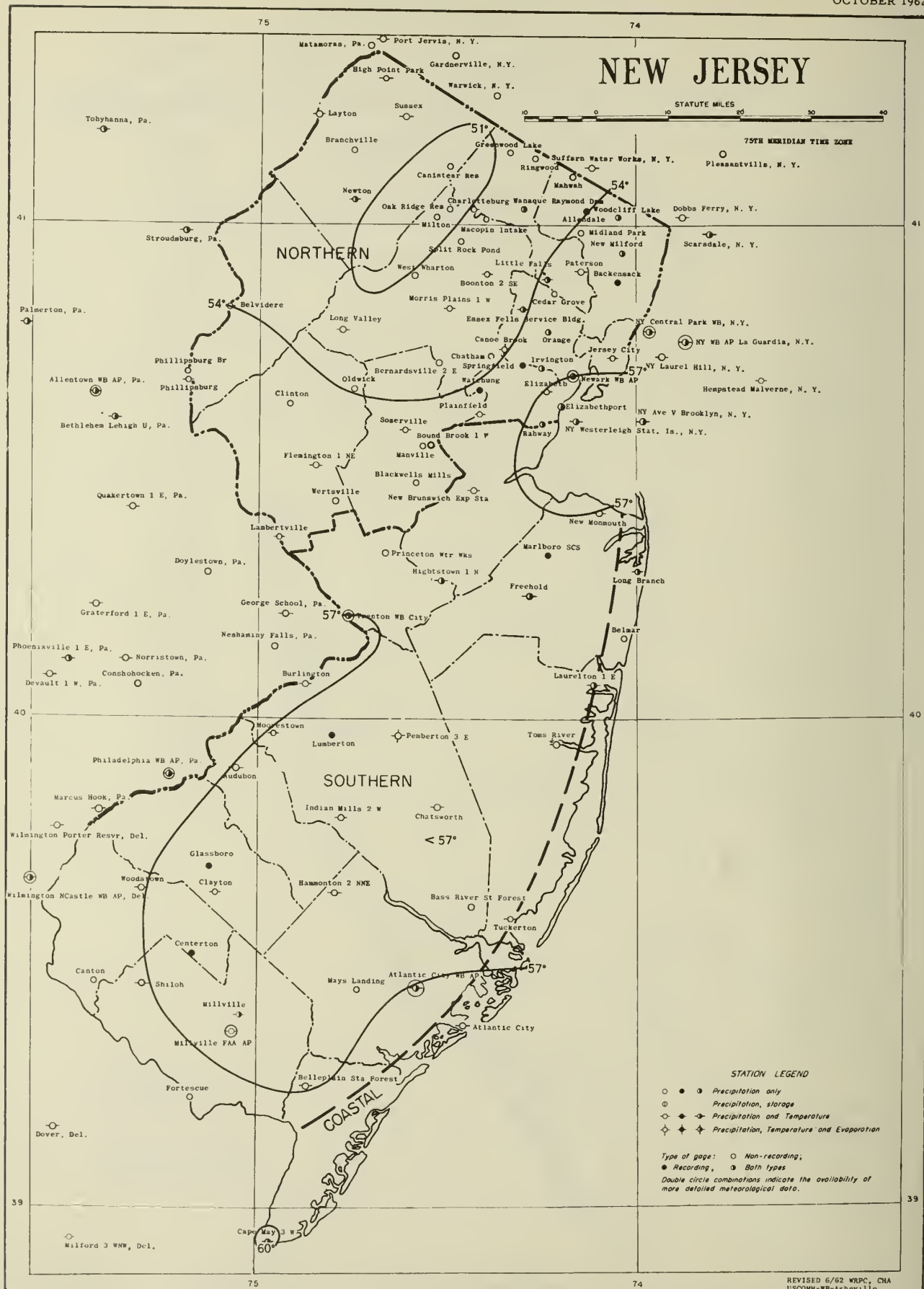
OCTOBER 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

AVERAGE TEMPERATURE

OCTOBER 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

STATION INDEX

NEW JERSEY
1982

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)	
ALLENDALE	0100	BERGEN	8 41 02	74 08	270						C BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1 39 27	74 35	58	MID					C HJ U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1 39 23	74 26	10	MID					J STATE MARINA
AUDUBON	0346	CAMDEN	2 39 54	75 04	50	LIP					H IRVING J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20						H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1 39 15	74 52	30	SP					C BELLEPLAIN STATE FOREST
BELOWAR 2 SW	0721	MONMOUTH	1 40 09	74 04	40						H BELMAR WATER WORKS
BEVDIODE	0729	WARREN	2 40 50	75 05	275	SP					H CLIMENT MAUPIT
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240						C BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27						H HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8 40 54	74 24	280	BA					C JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10 40 53	74 33	20						C AMERICAN CYANAMID CO.
BRANCOVILLE	0978	SUSSEX	5 41 09	74 45	980						C ALBERT M. GAYENPORT
BURLINGTON	1211	BURLINGTON	2 40 04	74 53	12	6P					C PUBLIC SVC. E. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040						C NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	9A	9A				C COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2 39 28	75 25	20						C GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 58	10	SP					C N.WEST MAGNESITE CO.
CEGAR GROVE	1472	ESSEX	8 40 52	74 13	400	BA					C J. A. PLUNKETT
CENTERTON	1512	SALEM	6 39 31	75 10	80						C JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8 41 03	74 26	760	7A					H NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8 40 44	74 23	185						C EDWARD P. HOLITER
CLAYTON	1598	BURLINGTON	1 39 49	74 32	100	SP					H EARL W. KERCHNER
CLINTON	1708	GLOUCESTER	6 39 39	75 08	120	6P					H HARRY P. CAMPBELL
	1749	HUNTERDON	10 40 38	74 55	300	6P					C L. W. KLOCKNER
ELIZABETH	2644	UNION	1 40 40	74 14	33	SP					C UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8 40 38	74 12	10	MIO					C SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8 40 50	74 18	250	BA					C BOROUGH ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 51	134	SP					H DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2 39 14	75 10	5						C JOHN LOPER
FREEMOLD	3181	MONMOUTH	10 40 15	74 17	194	6P					C H FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2 39 42	75 07	135						C GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3518	PASSAIC	8 41 09	74 20	860						C GEORGE T. HIGGINS
HACKENSACK	3572	BERGEN	4 40 53	74 03	10						C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85	BA					C W. HUBBARD PARKMURST
HIGH POINT PARK	3935	SUSSEX	2 41 18	74 40	1570	BA					C N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10 40 17	74 31	100	6P					C JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7 39 48	74 47	100	7P					H EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1 40 43	74 15	120	MIO					C JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1 40 44	74 03	135	MIO					C JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75	6P					H E. E. CASE
LAURELTON 1 E	4700	OCEAN	1 40 04	74 07	20	MIO					C H PUBLICATION ENDO B/62.
LAYTON	4736	SUSSEX	2 41 15	74 52	390	SP					C CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8 40 53	74 14	150	9A					C H PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1 40 18	74 00	20	MIO					C HJ WILLIAM G. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10 40 47	74 47	540	6P					H ARTHUR BARDMAN
LUMBERTON	5055	BURLINGTON	2 39 58	74 48	25						C JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8 41 01	74 24	584						C INACTIVE 1/61
MANHAW	5104	BERGEN	8 41 06	74 10	253						C ROBERT G. GLASGOW
MARVILLE	5127	SOMERSET	10 40 33	74 34	50						C JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1 40 20	74 14	120						C GERON BRILL
MAYS LANDING	5348	ATLANTIC	3 39 27	74 44	10						C H COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8 40 59	74 09	210	MIO					C H FEGWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6 39 24	75 03	80	BA					C H L. J. GALLAHER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	MIO					C H. AVIATION AGENCY
MILTON	5597	MORRIS	8 41 01	74 32	950						C JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2 39 58	74 58	55	MIO					H H. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8 40 50	74 30	400	BA					H JOSEPH H. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1 40 42	74 10	11	MIO					C HJ U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10 40 28	74 26	86	SP					GH ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4 40 57	74 02	12						C HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1 40 25	74 06	30	4P					C ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2 41 03	74 45	585	BA					C H NEWTON WTR. + SWR. COMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8 41 02	74 30	870						C NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10 40 40	74 45	260						BA DAN A. COUGHLIN
ORANGE	6580	ESSEX	8 40 47	74 14	140	MIO					C COUNTY ENGINEER
PATERSON	6775	PASSAIC	8 40 54	74 09	100	BA					H P. J. DEL VECCHIO
PERMBERTON 3 E	6843	BURLINGTON	2 39 58	74 38	80	SP					H PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2 40 41	75 12	182	3P					C H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2 40 42	75 12	194						C JOINT TOLL BRIDGE COMM.
PLAINFIELD	7070	UNION	10 40 36	74 25	120	BP					H HRS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10 40 20	74 40	80						C H PRINCETON WATER CO.
RAHWAY	7393	UNION	9 40 36	74 15	20	MIO					C H RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8 41 08	74 16	305	10A					C NJ. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2 39 28	75 18	120	5P					C EVERETT OCKINSON
SOMERVILLE	8194	SOMERSET	10 40 34	74 37	75	6P					H W. E. HAYER
SPLIT ROCK POND	8402	MORRIS	8 40 58	74 28	800						C JERSEY CITY O. P. W.
SPRINGFIELD	8423	UNION	1 40 43	74 18	-						C N. J. DEPT. OF CONS.
SUSSEX	8844	SUSSEX	5 41 13	74 37	440	7A					C BRICE B. STANTON
TOMS RIVER	8816	OCEAN	1 39 57	74 13	10	6P					C TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2 40 13	74 46	56	MIO					C HJ U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1 39 36	74 20	10	6P					C REV. WALTER T. GANDER
WANAQUE RAYMOND DAM	9187	PASSAIC	8 41 03	74 18	320						C H WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8 40 40	74 25	-						C BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10 40 27	74 48	160						C ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8 40 54	74 36	680						C N. J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4 41 01	74 03	103	MIO					C HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2 39 39	75 19	50	SP					C CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

551.05
4777

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

NOVEMBER 1962
Volume 67 No. 11



RECEIVED OF THE
FEB 11 1963
UNIVERSITY OF MICHIGAN

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 68° on the 30th at Long Valley
Lowest Temperature: 13° on the 27th at Layton
Greatest Total Precipitation: 6.11 inches at New Monmouth
Least Total Precipitation: 3.03 inches at Midland Park
Greatest One-day Precipitation: 2.34 inches on the 10th at
Ringwood
Greatest Reported Total Snowfall: 5.3 inches at Oak Ridge
Reservoir
Greatest Reported Depth of Snow on Ground: 5 inches on the 19th
at Canistear Reser-
voir

SPECIAL WEATHER SUMMARY

Three coastal storms, on the 3d, 10th, and 27th, produced high tides and caused some wind damage in coastal areas. Minor flooding occurred in each of these storms, and beach erosion was produced on the 27th.

Winds up to 58 miles per hour were reported at the Atlantic City Marina on the 3d.

Donald V. Dunlap
State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
NOVEMBER 1962

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max. Min.								Total	Max. Depth on Ground	Date	10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																							
BELVIOERE	50.7	29.2	40.0	- 2.8	64	29	18	7	743	0	0	23	0	3.78	- .08	1.31	10	.6	T	20+	6	4	1
BOONTON 2 SE	48.3	29.5	38.9	- 3.6	62	30	18	7	774	0	0	23	0	4.30	.28	1.84	10	2.0	2	19	4	4	1
CANOE BROOK	49.1	27.5	38.3	- 4.7	60	30+	18	29+	793	0	0	26	0	4.44	.34	1.54	10	1.0	1	20+	4	4	2
CHARLOTTEBURG	47.1	28.3	37.7	- 4.3	63	30	21	19	812	0	0	24	0	4.70	.21	2.28	10	3.0	3	19	4	3	2
ELIZABETH	52.1	33.3	42.7	- 3.0	63	30+	24	7	661	0	0	17	0	4.97	1.09	1.65	10	T	0	0	6	4	2
ESSEX FIELDS SERV BLDG	48.3	29.0	38.7		60	30	20	7	784	0	0	24	0	4.55		2.10	10	.0	0	0	5	3	3
FLEMINGTON 1 NE	50.8	28.5	39.7	- 4.6	67	30	17	7	751	0	0	23	0	4.86	1.12	1.69	10	1.0	1	18	4	4	3
HIGH POINT PARK	43.4	27.7	35.6		55	30	19	19+	877	0	0	23	0	3.66		1.16	10	5.0	4	19	4	4	1
JERSEY CITY	48.2	34.5	41.4	- 4.3	59	30	26	19	702	0	0	9	0	4.30	.88	1.12	3	.0	0	0	6	4	2
LAMBERTVILLE	50.7	30.0	40.4	- 4.0	63	30	20	7	732	0	0	20	0	4.82	1.11	1.57	10	1.0	0	0	4	4	3
LAYTON	48.3	26.6	37.5		62	30+	13	27	820	0	0	24	0	3.13		1.15	10	2.4	2	20	4	4	3
LITTLE FALLS	51.1	31.3	41.2	- 3.4	64	30	22	15+	703	0	0	19	0	4.90	.62	2.02	10	1.6	2	19	4	4	2
LONG VALLEY	49.2	27.5	38.4		68	30	16	7	793	0	0	25	0	4.46	.21	1.65	10	1.8	1	20+	6	4	1
MORRIS PLAINS 1 W	48.9	30.4	39.7		62	30	19	7	755	0	0	20	0	4.87		2.04	10	2.2	0	0	5	4	2
NEWARK W8 AIRPORT	50.4	36.5	43.5	- 1.9	62	30	29	7	640	0	0	3	0	4.39	1.02	1.77	10	.3	T	19+	5	4	1
NEWTON	46.1	27.4	36.8	- 4.4	60	10	18	29+	840	0	0	25	0	3.81	.18	1.25	10	3.0	2	20+	5	3	2
PATERSON	50.8	33.9	42.4	- 2.7	62	30	25	7	673	0	0	13	0	5.56	1.52	1.96	4	.1	T	19	4	4	3
PHILLIPSBURG	53.1	31.3	42.2	- 1.2	62	30+	22	30+	673	0	0	19	0	3.74	.07	1.24	10	T	0	0	7	3	1
PLAINFIELD	51.2	32.4	41.8	- 3.0	64	30	21	7	689	0	0	19	0	4.54	.71	1.35	10	1.0	0	0	4	4	3
SOMERVILLE	49.8	31.3	40.6	- 3.3	62	30+	18	7	726	0	0	19	0	4.72	1.06	1.49	10	T	T	18	4	4	3
DIVISION			39.9	- 3.6										4.43	.55			1.3					
SOUTHERN																							
ATLANTIC CITY W8 AP	52.7	34.7	43.7	- 3.0	64	30	23	7	630	0	0	11	0	4.88	1.22	1.37	3	T			6	5	2
AUDUBON	51.9	33.9	42.9		62	30+	24	7	656	0	0	10	0	5.42		1.50	3	T	0	0	5	4	3
BELLEPLAIN STA FOREST	53.2	32.7	43.0		62	29+	18	7	654	0	0	15	0	5.06	1.03	1.48	10	.0	0	0	5	3	3
BURLINGTON	51.2	33.6	42.4	- 4.2	61	30	27	26+	671	0	0	10	0	5.74	2.08	1.20	10	T	0	0	6	5	5
CHATSWORTH	52.3M	31.6M	42.0M		62	30+	18	7	684	0	0	18	0	4.26		1.55	10	.0	0	0	3	3	3
FREEHOLD	49.8	32.9	41.4	- 4.1	61	30+	24	7	702	0	0	19	0	3.70	.26	1.39	22	.5	0	0	4	3	2
HAMMONTON 2 NNE	51.5	32.7	42.1	- 4.6	63	9	25	7	680	0	0	18	0	4.68	.94	1.55	22	.0	0	0	6	5	1
HIGHTSTOWN 1 N	49.9	32.3	41.1	- 4.1	61	10	23	7	710	0	0	19	0	5.35	1.96	1.41	10	1.0	T	20+	6	4	4
INDIAN MILLS 2 W	51.2	30.3	40.8	- 4.4	62	29+	18	7	719	0	0	21	0	5.42	1.71	1.52	22	T	0	0	4	4	3
MILLVILLE	52.4	33.9M	43.2M		64	30	24	7	643	0	0	15	0	4.71		1.19	3	.0	0	0	6	5	1
MILLVILLE FAA AIRPORT	52.0	33.2	42.6		62	29+	19	7	665	0	0	15	0	5.47		1.39	3	T	0	0	6	5	3
MOORESTOWN	51.0	31.8	41.4	- 3.6	61	29+	21	7	698	0	0	18	0	5.13	1.52	1.20	4	T	T	20	5	4	4
NEW BRUNSWICK EXP STA	50.5	34.0	42.3	- 3.0	62	30	23	7	678	0	0	17	0	4.62	.98	1.35	10	T	0	0	7	4	2
NEW MONMOUTH	50.5	33.8	42.2		59	10+	25	7	679	0	0	15	0	6.11		1.91	10	T	0	0	6	4	4
PEMBERTON 3 E	52.0	31.5	41.8	- 4.5	62	29	19	7	689	0	0	17	0	5.62	2.11	1.63	10	T	0	0	5	4	3
SHILOH	52.4	34.7	43.6	- 2.7	62	29+	25	7	638	0	0	11	0	5.20	1.47	1.97	22	.0	0	0	5	4	3
TOMS RIVER	52.9	31.5	42.2		63	10	19	7	675	0	0	19	0	5.48		1.52	22	.0	0	0	5	4	3
TRENTON W8 CITY	49.8	35.9	42.9	- 2.9	62	30	29	19+	657	0	0	6	0	4.75	1.59	1.33	10	.2	T	20+	5	4	3
TUCKERTON	52.2	34.3	43.3		61	8	20	7	647	0	0	14	0	5.06		1.82	3	T	T	19	5	3	2
WOODSTOWN	52.5M	32.6M	42.6M		63	10	20	7	668	0	0	0	0	5.33		1.50	22+	T	0	0	7	4	3
DIVISION			42.4	- 3.3										5.10	1.36			.1					
COASTAL																							
ATLANTIC CITY	51.5	37.7	44.6	- 3.7	61	10	27	7	608	0	0	5	0	4.46	.67	1.23	3				5	5	1
CAPE MAY 3 W	52.6	40.9	46.8		61	10	29	7	538	0	0	1	0	5.31		1.65	3	.0	0	0	7	4	2
LONG BRANCH	49.7	34.9	42.3	- 3.4	59	10+	25	7	674	0	0	12	0	6.06	2.25	1.78	3	T	0	0	5	4	3
DIVISION			44.6	- 2.8										5.28	1.69			T					

DAILY PRECIPITATION

NEW JERSEY
NOVEMBER 1962

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	4.88	.01	1.37	T						.13	1.25			T				T	T	.67		.06	.71	.68									
ATLANTIC CITY	4.46	.02	1.23							.06	.98									.60		.04	.83	.70									
AUDUBON	5.42		1.50							T	1.30							T	T	1.26	T	.40	.96										
BASS RIVER ST FOREST	5.35	.07		1.52							1.10										.71		.05	1.90									
BELLEPLAIN STA FOREST	5.06		1.34	.02	.06						1.48									.48	.23	.08	1.37										
BELVIDERE	3.78	.01	.68	.40					T	.02	1.31	.02		.05						.52	.05	.12	T	.60	T								
BERNARDSVILLE 2 E	4.89	.03		1.20							1.68	.05			.06					.03	.74		.03	.90	.17								
BLACKWELLS MILLS	5.12	.04	.04	1.25							1.41	.09		.09						.05	.87		.05	1.11	.12								
BOONTON 2 SE	4.30	T		.93							1.84	.02		.03				T		.04	.53	T	.04	.81	.06								
BOUND BROOK 1 W	4.68	.01	.03	1.15							1.38	.02		.03						.03	.75		.01	1.26	.01								
BRANCHVILLE	3.06			.99						.01	1.15			T	.04					.09		T	.07	.71									
BURLINGTON	5.74	.05	1.10							.02	1.20			.02				.02	.10	.10	.02	1.00	1.10		.01								
CANISTEAR RESERVOIR	4.27	.03	T	.88					T		2.04	.03						T	.04	.37	.04	.02	.79	T									
CANOE BROOK	4.44	.02	.04	.88							1.54	.03		.05					.02	.68	.03	1.10	.05										
CANTON	5.70	.04	.82								2.03								.06	.60	.11		2.00	.04									
CAPE MAY 3 W	5.31	.04	1.65	.11	.08	.12					.92	.02							.61	.40	.08		1.27	.01									
CEDAR GROVE	5.07		.64	.62							1.75				.07				.13	.72	.08		.98	.08									
CHARLOTTEBURG	4.70	T		1.12					T		2.28	.09		.05					.03	.46		.02	.65										
CHATHAM	4.36	T		.90							1.53	.06		T						.69		T	.95	.13									
CHATSWORTH	4.26		1.12								1.55										.08		1.51										
ELIZABETH	4.97	.04	.02	.85	.22					.01	1.65	.03		.06				T	.68	.16	.03		1.22										
ELIZABETHPORT	4.61		1.08							.02	1.48	.02		.04					.77		.15	T	.49	.71									
ESSEX FELS SERV BLDG	4.55		1.05								2.10		.10		.05					.15	T		1.05	.05									
FLEMINGTON 1 NE	4.86	.03	1.10						.02		1.69	T		.08					.02	.60	T	.09	.09	1.14	T								
FORTESCUE	5.25	.04	.51	.86							1.10	.07								.69		.10	1.65	.23									
FREEHOLD	3.70	.05	1.14											.02				T	.95	.10	.05		1.39										
GREENWOOD LAKE	4.69	.04		1.01							1.87	.30			.05				.05	.45		.05	.85	.02									
HAMMONTON 2 NNE	4.68	.05	.01	.51	.76	.01					.78	.07								.70	.04	.08	1.55	.12									
HIGH POINT PARK	3.66	.08		.80					T		1.16	.05			.06					.06	.58	T	.09	.08	.70								
HIGHTSTOWN 1 N	5.35		1.15	.18							1.41	.01		.03				T	1.02	.23	.05		1.27										
INDIAN MILLS 2 W	5.42	.03	1.46								1.45			T				T	.79	.08	.06	.03	1.52										
IRVINGTON	4.43		1.07							.04	1.33			.10					.77		.01	.43	.68										
JERSEY CITY	4.30	.03	1.12							T	1.10			.03					.67		.24	.48	.63										
LAMBERTVILLE	4.82		1.14	.02							1.57			.03				T	.80	.07	.07		1.12										
LAYTON	3.13	.02	.57			T			.01	T	1.15	.03		.07				T	.49	.03	.06	.70											
LITTLE FALLS	4.90	.04	.06	.96						.01	2.02	.02			.07				.05	.61	.01	T	1.01	.04									
LONG BRANCH	6.06	.03	1.78								1.55			.01					.04	1.30		.04	.43	.88									
LONG VALLEY	4.46		.95	.37							1.65			.06					.56	.05	.11	.01	.67	.02									
MAHWAH	4.19	.04	.97								1.55	.08		.07					.13	.31		.03	1.00	.01									
MANVILLE	3.38	.01	.02	.95							1.25			.06					T		.07	.95	.07										
MAYS LANDING	6.05	.04	1.34	.03							1.94	.10		.02					.02	.63		.03	.50	.62									
MIDLAND PARK	3.03	.02	1.05							.05	.07	.02								.54		.06	.87	.97									
MILLVILLE	4.71		1.19							.22	.81	.05									.67		.24	.48	.63								
MILLVILLE FAA AIRPORT	5.47	T	1.39				T				2.6	1.10	T					T	T	.62		.06	.92	1.12									
MILTON	4.41	.03		1.25	.03				.02		1.52	.06								.10		.52	.12	.66	.03								
MOORESTOWN	5.13	.05	.29	1.20							1.10	.05		T					.03		1.12	T	.05	1.15	.09								
MORRIS PLAINS 1 W	4.87	.03	T	1.04		T			T	T	2.04	.03		.05					.11	.63	.01	.05	.82	.06									
NEWARK WB AIRPORT	4.39	.02	.77								1.77			.02					T	.01	.59		.01	.48	.72								
NEW BRUNSWICK EXP STA	4.62	.11	.87	.18					T	T	1.35	.02		.05					T	.68	.15	.03	1.16	.02									
NEW MILFORD	4.22	.02	.84								1.56								.02	.61		.40	.77										
NEW MONMOUTH	6.11		1.08	.35							1.91	.08		.05	T				1.05	.18	.05		1.36										
NEWTON	3.81	.04	1.15						T		1.25	.05		.06					.06	.42	.13	.03	.62	T									
OAK RIDGE RESERVOIR	4.61	.03	.97								2.04	.06		.09					.04	.46	.03	.04	.83	.02									
OLDWICK	4.42	.04	.02	1.18					T		1.49	.06		.04					T	.03	.63	T	.03	.90									
ORANGE	4.99		1.10								1.76		.08							.80	.03			1.22									
PATERSON	5.56		.04	1.96					T		1.55				.03				.04	.82	T		1.09	.03									
PEMBERTON 3 E	5.62		1.52	.04							1.63	.12							.88		.04		1.39										
PHILLIPSBURG	3.74	.02	.80	.30							1.24			.18					T	.18	.25	.08	.66										
PHILLIPSBURG BRIDGE	3.67	.05	1.24							.02	1.25									.12	.07	.17	.70	.05	.03								
PLAINFIELD	4.54		1.09						T	T	1.35			.03					T	T	.79	.02	1.26										

DAILY TEMPERATURES

NEW JERSEY
NOVEMBER 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY W8 AP	MAX MIN	58 36	54 30	51 38	46 33	46 28	45 30	55 23	63 39	59 41	61 46	54 39	54 33	48 32	48 32	53 30	58 35	57 45	48 33	44 30	43 32	53 43	60 39	45 35	53 32	45 28	46 33	51 40	56 38	63 36	64 33	52.7 34.7	
ATLANTIC CITY	MAX MIN	56 40	52 37	54 37	45 33	44 32	45 31	50 27	58 43	58 45	61 49	56 40	52 36	49 36	48 34	53 31	58 36	54 46	50 35	45 30	45 36	54 44	57 39	46 36	53 35	44 34	47 36	49 45	53 47	54 42	54 38	51.5 37.7	
AUOUBON	MAX MIN	58 35	55 30	47 38	48 31	48 28	47 33	54 24	62 36	59 39	61 44	53 41	55 34	46 32	49 33	53 32	60 32	51 44	44 33	44 29	41 33	51 35	53 38	47 35	52 37	44 27	47 30	50 35	61 55	62 61	51.9 33.9		
BELLEPLAIN STA FOREST	MAX MIN	58 39	53 25	50 42	46 30	45 24	45 30	52 18	59 35	56 33	62 48	56 43	53 27	50 28	50 25	52 23	60 27	58 40	50 39	46 29	44 36	59 29	62 47	50 34	54 26	48 41	47 31	51 34	57 37	62 36	61 31	53.2 32.7	
BELVIOERE	MAX MIN	55 38	55 24	50 33	46 31	50 26	46 29	52 18	54 33	51 30	60 44	50 41	53 26	47 28	46 28	52 30	58 23	52 39	42 31	43 25	39 27	47 29	50 43	49 32	48 31	42 25	47 23	52 20	60 26	64 22	50.7 29.2		
BOONTON 2 SE	MAX MIN	51 44	53 26	53 40	43 30	44 27	40 30	44 18	52 22	55 33	60 35	58 46	51 26	52 25	43 29	44 28	48 25	57 46	46 37	39 23	41 26	36 30	48 35	45 38	46 42	48 25	40 27	45 29	50 31	52 59	62 24	48.3 29.5	
BURLINGTON	MAX MIN	57 38	53 33	47 33	47 28	47 34	47 39	53 27	60 37	57 31	60 38	50 34	55 38	47 35	47 34	53 33	59 33	50 40	46 34	44 30	41 31	51 36	50 45	47 35	51 38	47 29	46 27	50 31	54 38	60 29	61 29	51.2 33.6	
CANOE BROOK	MAX MIN	51 42	53 23	52 32	41 29	44 25	49 28	45 18	54 31	58 28	60 32	58 43	51 23	52 23	41 24	45 31	50 22	58 31	46 36	39 25	40 24	42 29	50 42	48 32	48 31	49 22	40 20	45 20	50 22	55 18	60 19	49.1 27.5	
CAPE MAY 3 W	MAX MIN	55 47	56 39	53 46	43 41	46 34	46 38	52 29	58 47	58 39	61 50	55 50	54 41	50 39	49 41	50 38	53 45	57 45	53 44	45 34	45 35	51 43	59 43	52 40	50 39	50 35	47 35	52 46	55 44	59 46	57 39	52.6 40.9	
CHARLOTTEBURG	MAX MIN	48 41	50 27	54 27	42 31	41 26	48 31	43 23	52 36	54 31	59 32	56 44	52 26	50 24	37 27	42 23	47 26	53 43	44 35	37 21	38 23	36 28	45 35	45 33	45 29	40 25	38 23	44 26	52 27	58 25	63 23	47.1 28.3	
CHATSWORTH	MAX MIN	56 29	57 24	49 39	46 31	46 23	49 26	56 18	62 32	56 37	62 48	54 41	56 30	47 27	52 26	59 43	53 47	48 38	43 26	40 25	53 36	55 45	49 33	52 45	23 27	44 23	47 27	50 34	54 33	60 35	62 27	52.3 31.6	
ELIZABETH	MAX MIN	60 43	56 31	50 39	45 31	53 30	47 31	54 24	61 36	53 37	60 48	55 44	53 30	43 29	48 30	53 30	63 27	41 43	47 33	43 26	38 29	50 31	50 44	50 44	52 33	43 27	48 31	51 32	59 36	63 27	63 27	52.1 33.3	
ESSEX FELS SERV 8LOG	MAX MIN	51 39	52 27	51 34	40 28	42 26	44 26	44 20	53 26	56 32	59 41	58 44	50 26	52 26	44 26	44 30	49 26	57 46	46 38	37 25	40 30	40 25	48 40	47 32	47 30	48 25	40 22	45 22	50 28	55 27	60 25	48.3 29.0	
FLEMINGTON 1 NE	MAX MIN	56 39	56 22	49 32	47 29	49 24	45 24	55 17	59 29	52 30	60 43	50 43	56 24	42 25	47 26	52 28	58 31	52 39	45 32	45 25	36 29	48 35	46 42	49 35	49 21	45 24	49 27	57 25	62 25	67 19	67 19	50.8 28.5	
FREEMOLO	MAX MIN	54 46	52 29	46 41	45 30	46 28	44 28	53 24	61 35	53 40	61 48	51 43	53 29	42 28	45 28	50 30	59 29	48 42	42 32	39 25	38 29	53 34	52 43	47 32	52 32	42 26	46 29	48 37	52 30	59 27	61 27	49.8 32.9	
HAMMONTON 2 NNE	MAX MIN	51 41	56 30	54 35	46 31	45 30	46 32	45 25	56 28	63 38	60 42	54 52	53 32	55 30	49 31	47 29	51 33	58 36	50 28	44 28	46 33	61 44	52 34	45 32	54 27	44 29	47 31	51 34	55 31	61 35	61 31	51.5 32.7	
HIGH POINT PARK	MAX MIN	44 34	46 22	52 33	40 29	37 19	41 21	42 20	47 30	47 36	51 39	52 39	51 25	46 25	42 27	38 21	45 26	48 26	46 26	34 19	36 21	35 28	38 28	43 29	42 29	39 25	36 24	42 29	47 38	55 38	55 38	43.4 27.7	
HIGHTSTOWN 1 N	MAX MIN	54 41	52 26	47 38	45 31	47 27	45 30	51 23	58 37	52 36	61 48	50 43	52 27	46 28	46 27	50 29	57 30	52 42	46 34	41 26	38 27	52 32	50 46	49 33	50 32	43 25	45 28	47 30	53 34	59 31	58 27	49.9 32.3	
INOIAN MILLS 2 W	MAX MIN	55 40	53 23	47 37	45 28	45 25	45 26	54 18	62 30	56 35	60 46	54 40	55 28	47 26	47 25	50 30	57 26	54 43	47 35	41 26	40 25	51 34	55 45	45 31	51 28	44 21	48 27	51 29	55 27	62 25	60 25	51.2 30.3	
JERSEY CITY	MAX MIN	55 40	51 35	46 38	45 34	47 33	43 34	49 30	57 39	53 42	54 46	52 41	50 34	42 31	44 29	48 31	55 47	47 33	38 38	38 26	37 31	49 35	48 38	47 36	49 34	40 32	45 28	47 33	53 35	57 36	59 35	48.2 34.5	
LAMBERTVILLE	MAX MIN	56 39	53 27	45 36	47 30	48 27	47 25	54 20	59 30	52 33	61 47	52 44	54 27	42 28	47 26	53 26	59 27	49 43	46 34	43 25	37 31	50 27	52 43	47 35	49 31	42 23	46 23	50 21	56 26	61 22	63 22	50.7 30.0	
LAYTON	MAX MIN	51 35	54 25	48 28	41 29	48 24	44 27	53 17	50 32	46 30	56 42	49 24	51 24	41 24	45 25	49 27	59 22	47 37	40 32	43 21	35 24	41 30	48 37	48 34	46 26	40 23	46 16	51 13	56 17	62 17	62 17	48.3 26.6	
LITTLE FALLS	MAX MIN	54 43	56 29	54 37	44 34	46 29	50 31	47 22	55 30	57 33	61 42	60 45	52 29	55 42	47 27	47 22	52 29	60 39	48 37	40 24	41 28	44 32	51 43	50 35	49 34	50 27	42 26	47 26	53 29	57 26	64 25	51.1 31.3	
LONG BRANCH	MAX MIN	55 40	52 32	50 38	43 32	46 30	43 29	52 25	59 40	55 41	59 45	53 40	49 33	47 31	45 32	51 31	57 30	48 43	47 34	41 30	38 31	55 37	52 39	46 34	51 36	42 29	45 35	47 37	51 41	56 38	56 34	49.7 34.9	
LONG VALLEY	MAX MIN	52 36	53 21	44 31	43 29	47 23	45 27	51 16	54 30	50 28	59 44	49 22	53 22	42 23	45 28	50 29	60 30	51 39	41 32	40 24	34 27	47 27	49 42	47 32	47 28	45 22	49 19	51 22	57 22	63 18	68 18	49.2 27.5	
MILLVILLE	MAX MIN	51 41	57 31	54 35	47 32	47 30	45 33	46 24	54 41	47 38	63 50	55 44	54 35	55 42	49 34	52 32	58 43	58 38	60 44	43 29	44 31	47 36	60 45	55 37	55 30	53 28	43 23	48 30	54 25	58 31	64 35	52.4 33.9	
MILLVILLE FAA AIRPORT	MAX MIN	55 33	53 28	47 38	46 30	45 30	46 25	53 19	59 38	59 40	62 45	57 35	55 30	48 30	52 30	58 40	60 36	45 44	45 35	43 29	40 32	51 36	58 48	44 38	52 29	43 25	47 31	52 35	56 39	62 38	61 33	52.0 33.2	
MOORESTOWN	MAX MIN	57 31	54 28	46 36	46 30	46 27	46 25	53 21	61 34	58 37	61 44	53 35	55 31	45 30	48 30	51 32	59 35	50 41	42 33	43 26	40 31	50 35	45 36	51 35	45 28	48 25	49 29	50 32	54 35	61 32	60 30	51.0 31.8	
MORRIS PLAINS 1 W	MAX MIN	50 40	53 25	54 36	40 29	444 																											

Continued

DAILY TEMPERATURES

NEW JERSEY
NOVEMBER 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOMS RIVER	MAX	56	56	56	46	52	43	56	62	60	63	55	52	49	47	48	55	57	60	41	40	47	60	50	52	51	54	49	52	58	60	52.9	
	MIN	42	25	42	31	25	28	19	31	33	49	41	30	26	27	28	25	44	40	28	25	28	34	34	23	24	31	40	41	26	25	31.5	
TRENTON W8 CITY	MAX	55	52	45	45	47	44	52	60	58	61	50	52	43	46	51	57	48	41	42	38	50	51	45	49	42	45	48	54	60	62	49.8	
	MIN	40	35	36	33	33	33	29	41	42	46	40	35	35	35	32	38	41	33	29	32	36	38	35	37	32	30	33	38	41	38	35.9	
TUCKERTON	MAX	57	53	53	50	47	45	54	61	55	59	55	50	49	47	50	60	54	50	45	42	50	60	50	54	45	46	50	54	60	60	52.2	
	MIN	42	27	43	33	25	30	20	32	33	48	45	37	25	27	30	30	45	39	27	26	37	48	34	32	25	32	42	45	37	33	34.3	
WOODSTOWN	MAX	58	54	50	47	46		53	61	56	63	56	54	47	50	53	60	53	48	43	43		56	50	54	43	46	51	55	60	61	52.5	
	MIN	40	27	37	31	27		20	34	39	47	44	28	29	31	28	30	45	37	27	30	34		32	29	25	29	34	34	35	29	32.6	

EVAPORATION AND WIND

Station		Day of month																															Total on Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP	22	.06	-	-	.03	.08	.06	.12	.17	-	.02	.06	.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	WIND	44	44	56	16	40	34	10	10	58	70	76	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A EST	7:00 A EST	1:00 P EST	7:00 P EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
ATLANTIC CITY W8 AIRPORT	NW	14	9.8	35++	S	10+	80	81	55	69	4	2	1	3	2	0	12	70	6.4
ATLANTIC CITY (ST. MARINA)	-	-	15.4	58	NE	3	-	-	-	-	0	3	0	4	1	0	8	-	-
LONG BRANCH	NW	11	10.0	56	E	3	-	75	56	66	0	4	1	1	3	0	9	57	6.0
NEWARK W8 AIRPORT	NE	17	10.2	35++	NNW	11	65	69	51	56	2	4	1	3	1	0	11	-	5.8
TRENTON W8 CITY	N	-	9.3	36	E	10	-	-	-	-	1	4	1	1	3	0	10	57	5.9
\$ 12:00 NOON																			

SNOWFALL AND SNOW ON GROUND

NEW JERSEY
NOVEMBER 1962

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	SNOWFALL SN ON GND																		T		T											
BELVIDERE	SNOWFALL SN ON GND				T									T					.5 T		.1 T	T		T								
CHARLOTTEBURG	SNOWFALL SN ON GND																			3.D 3	1	1										
FLEMINGTON 1 NE	SNOWFALL SN ON GND			T															.5 1		.5 T		T									
FREEHOLD	SNOWFALL SN ON GND																		T	.5 T	T											
HIGHTSTOWN 1 N	SNOWFALL SN ON GND																		T T	.5 T	.5 T											
INDIAN MILLS 2 W	SNOWFALL SN ON GND																		T		T											
LAMBERTVILLE	SNOWFALL SN ON GND																		T		1.D											
LITTLE FALLS	SNOWFALL SN ON GND																			1.S 2	.1 1											
LONG BRANCH	SNOWFALL SN ON GND																		T		T											
LONG VALLEY	SNOWFALL SN ON GND			.S										T					.7 1	T	.6 1											
MILLVILLE FAA AP	SNOWFALL SN ON GND						T																									
MOORESDOWN	SNOWFALL SN ON GND																			T	T T											
MORRIS PLAINS 1 W	SNOWFALL SN ON GND			T											T					1.S	.2	.5										
NEWARK WB AIRPORT	SNOWFALL SN ON GND																		.3		T											
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND																		T		T											
NEWTON	SNOWFALL SN ON GND				1.D										T					2.D 2	T 2	1										
PATERSON	SONWFALL SN DN GND																			.1 T	T											
PEMBERTON 3 E	SNOWFALL SN DN GND																				T											
PHILLIPSBURG	SNOWFALL SN ON GND			T															T	T	T											
PLAINFIELD	SNDWFALL SN ON GND																			1.D		T										
RAHWAY	SNOWFALL SN ON GND																		T T		T											
SOMERVILLE	SNOWFALL SN DN GND																		T T		T											
TRENTON WB CITY	SNOWFALL SN DN GND						T												.1		.1											
WANAQUE RAYMOND DAM	SNDWFALL SN ON GND																			.S 1	T T											

See reference notes following Station Index.

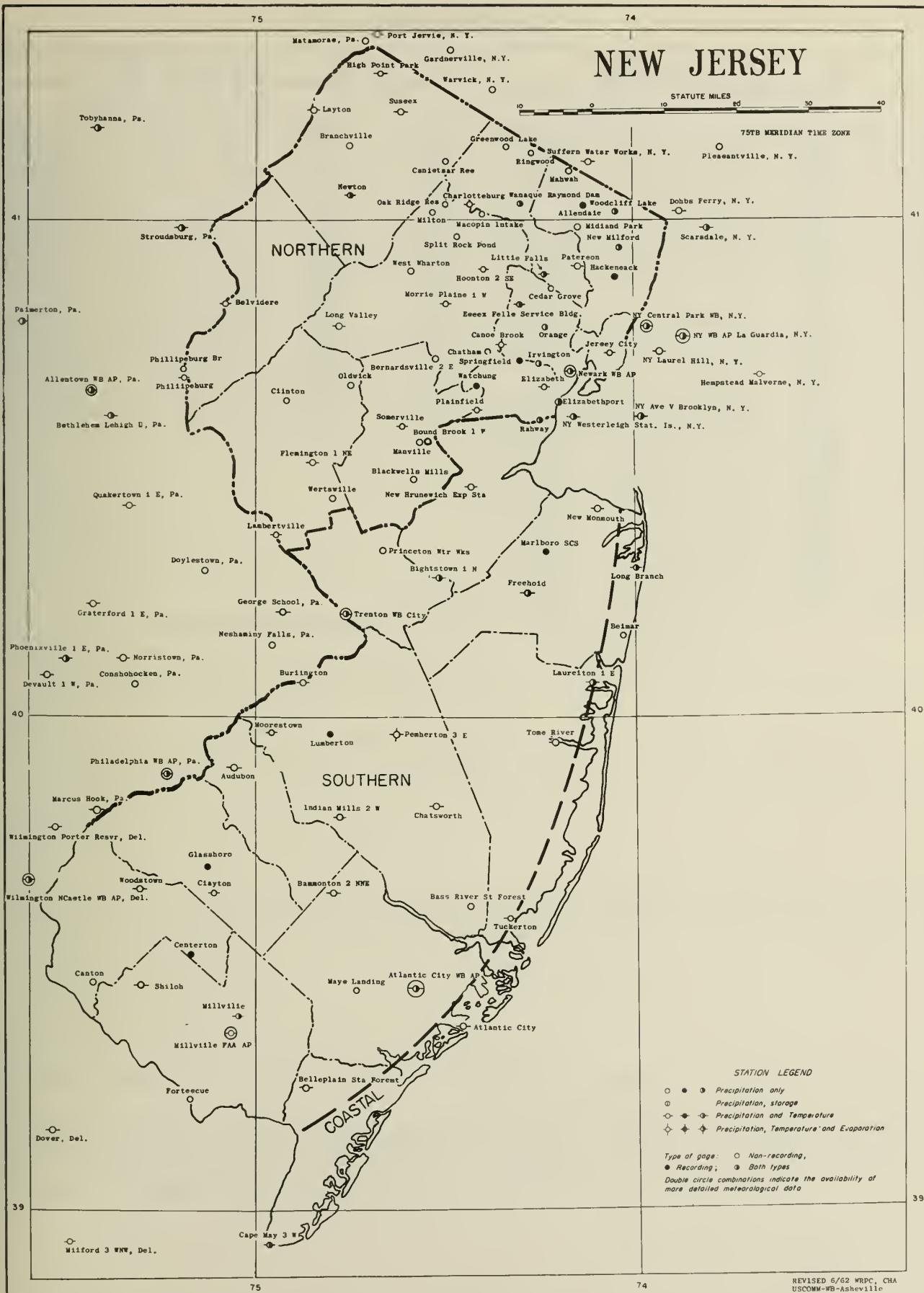
DAILY SOIL TEMPERATURES

NEW JERSEY
NOVEMBER 1962

		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	53	52	48	48	49	46	47	50	48	53	50	50	45	45	44	45	45	45	43	41	45	46	44	44	43	43	42	43	45	44	46.2	
	MIN	48	46	46	44	44	43	40	44	46	50	47	44	42	41	40	40	44	41	40	40	40	41	41	41	39	39	38	39	38	38	42.1	
2 INCHES	MAX	52	52	48	48	48	46	47	50	48	53	49	49	45	45	44	45	45	45	43	41	45	46	44	44	42	43	42	43	44	44	46.0	
	MIN	48	46	46	45	44	43	41	44	46	50	47	44	42	41	40	40	44	41	40	40	40	42	41	41	39	39	38	39	38	38	42.2	
4 INCHES	MAX	52	51	49	48	48	46	45	49	48	52	50	48	46	45	44	45	45	45	43	42	45	46	43	44	44	41	41	42	42	42	45.7	
	MIN	50	48	47	46	45	44	42	45	46	51	48	46	44	43	41	41	45	42	42	41	42	42	41	41	41	40	39	40	39	39	43.4	
8 INCHES	MAX	53	51	50	49	48	48	47	49	49	51	50	48	48	46	45	45	46	46	44	43	43	46	45	44	43	42	42	42	42	42	46.2	
	MIN	52	50	49	48	47	46	45	46	48	49	49	48	46	45	44	43	45	44	43	42	43	45	44	44	43	42	41	41	41	41	45.1	
16 INCHES	MAX	54	54	53	52	51	51	50	50	50	51	51	51	50	49	48	47	47	47	47	46	46	47	47	47	47	45	45	44	44	44	48.5	
	MIN	54	53	52	51	50	50	49	49	49	49	51	50	49	48	47	47	47	47	46	46	45	46	46	46	46	45	44	44	44	44	47.8	
32 INCHES	MAX	56	56	55	55	54	54	53	53	53	52	52	52	53	52	51	51	50	50	50	50	49	49	49	49	49	48	48	47	47	47	51.1	
	MIN	56	56	55	54	54	53	52	52	52	52	52	52	51	51	50	50	50	50	49	49	49	48	49	49	49	48	47	47	47	47	50.7	
PLOT #2																																	
1 INCH	MAX	55	53	43	48	48	46	50	55	49	57	50	53	42	44	44	48	44	41	43	39	46	46	45	45	39	40	41	43	45	46	46.3	
	MIN	40	36	40	36	35	34	33	40	40	47	39	35	34	33	32	34	41	34	33	34	35	36	34	34	34	33	32	33	33	32	35.5	
2 INCHES	MAX	55	53	43	47	47	45	49	55	48	56	50	52	42	44	44	47	44	41	42	39	46	46	44	45	39	40	41	43	44	45	45.9	
	MIN	40	36	41	36	35	35	33	40	40	47	40	35	34	33	33	34	41	34	33	34	35	37	34	35	34	33	32	34	33	33	35.6	
4 INCHES	MAX	53	50	44	47	46	45	47	52	48	55	49	51	42	43	43	46	44	42	42	39	45	46	43	43	44	39	40	42	43	44	45.2	
	MIN	43	38	42	38	36	37	35	40	42	48	42	38	36	35	34	35	41	35	35	35	36	36	36	37	37	34	33	34	34	34	37.5	
8 INCHES	MAX	51	49	47	46	45	44	44	48	47	52	49	48	44	42	42	44	44	43	40	40	43	45	43	43	40	39	39	40	41	41	44.1	
	MIN	48	44	45	42	41	41	40	43	45	50	46	43	41	39	38	38	43	39	38	38	39	42	40	40	38	37	37	37	37	37	40.9	

PLOT #1 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; KENTUCKY BLUEGRASS. INSTRUMENTATION; COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; BARREN. INSTRUMENTATION; BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.



Maps of Average Temperature and Total Precipitation that have been included in this location each month have been temporarily discontinued. Users requiring these analyses may use the above map to plot and analyze the data that appear elsewhere in this bulletin.

STATION INDEX

NEW JERSEY
1962

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID			C H J	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			J	STATE MARINA
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P				IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20		9A			H	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELMAR 2 SW	0721	MONMOUTH	1	40 09	74 04	40		8A				BELMAR WATER WORKS
BELVIDERE	0729	WARREN	2	40 50	75 05	275	5P				H	CLEMENT HAUPT
BERNARDSVILLE 2 E	0767	SOMERSET	8	40 43	74 32	240		7A				BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27		7A				HENRY M. MILLER
BOONTON 2 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BOUND BROOK 1 W	0927	SOMERSET	10	40 33	74 33	20	8A					AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	980	7A					ALBERT M. GAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P					PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040	8A					NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20	7A					GERTRUDE E. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P				N. WEST MAGNESITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400	8A					J. A. PLUNKETT
CENTERTON	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 03	74 26	760	7A	7A			H	NEWARK WATER DEPT.
CHATMAN	1590	MORRIS	8	40 44	74 23	185		8A				EDWARD P. HOLTER
CHATSORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 59	75 08	120	6P	6P				HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 55	300	6P					L. W. KLOCKNER
ELIZABETH	2644	UNION	1	40 40	74 14	33	5P	5P				UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MID					SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 18	250	8A	8A			C	BOROUGH ESSEX FELS
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	134	5P	5P			H	DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5	7A					JOHN LOPER
FREHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C H	FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					C	GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660	7A					GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10					C	BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A	8A				W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C H	JAMES R. PICKERING
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P				EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	MID					JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135	MID	MID				JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P			H	E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID	MID			C H	M. PUBLICATION ENDED 8/62.
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P	5P				CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A			C H	PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID			C H J	WILLIAM D. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				H ARTHUR BARKMAN
LUNBURY	5055	BURLINGTON	2	39 58	74 48	25					C	JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61
MAHAW	5104	BERGEN	8	41 06	74 10	253	7A					ROBERT G. GLASGOW
MARVILLE	5197	SOMERSET	10	40 33	74 34	50		8A				JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C	GEROW BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10	9A					H COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MID				C H	RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MID				L. J. GALLAGHER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID				H FED. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950	7A					JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A			H	M. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A				H	M. JOSEPH M. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID			C H J	U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 20	74 26	86	5P	5P			GH	ARTHUR M. ANDQUIST
	6146	BERGEN	4	40 57	74 02	12					C	HACKENSACK WATER CO.
	6156	MONMOUTH	1	40 25	74 06	10	4P	4P				ST. MARYS SCHOOL
	6177	SUSSEX	2	41 03	74 45	565	8A				C H	NEWTON WTR. + SWR. COMM.
	6460	PASSAIC	8	41 02	74 30	870	8A					NEWARK WATER DEPT.
	6544	HUNTERDON	10	40 40	74 45	260	8A					DAN A. COUGHLIN
	6560	ESSEX	8	40 47	74 14	140		MID				C COUNTY ENGINEER
	6775	PASSAIC	8	40 54	74 09	100	8A	8A			H	M. P. J. DEL VECCHIO
	6863	BURLINGTON	2	39 58	74 38	80	5P	5P			M	PHILIP E. MARUCCI
	6974	WARREN	2	40 43	75 12	182	3P	3P				H SEWAGE DISPOSAL PLANT
	6979	WARREN	2	40 42	75 12	196	9A					JOINT LIFT BRIDGE COMM.
	7079	UNION	10	40 36	74 25	120	8P	8P				H MRS VIVIAN SCHERER
	7328	MERCER	10	40 30	74 40	10	M	M				PRINCETON WATER CO.
	7391	UNION	9	40 38	74 20	20		MID			C H	RAHWAY VLY. SWG. AUTH.
	7597	PASSAIC	8	41 08	74 16	305	10A					NO. JERSEY WTR. SUPPLY
	8051	CUMBERLAND	2	39 18	75 12	50	5P					EVERETT DICKINSON
	8196	SOMERSET	10	40 34	74 37	37	6P	6P			H	E. E. HAVER
	8402	MORRIS	8	40 58	74 28	800	7A					JERSEY CITY D. P. W.
	8423	UNION	1	40 43	74 18	74	10A				C	N. J. DEPT. OF CONS.
	8685	SUSSEX	5	40 13	74 40	74	7A					BRICE D. STANTON
	8816	OCEAN	1	39 57	74 13	10	6P	6P				TOMS RIVER WATER CO.
	8883	MERCER	2	40 13	74 46	56	MID	MID			C H J	U.S. WEATHER BUREAU
	8899	OCEAN	1	39 36	74 20	10	6P	6P				REV. WALTER T. GANDEK
	9117	PASSAIC	8	41 03	74 10	320	8A					WATER SUPPLY COMM.
	9271	UNION	8	40 40	74 25	-					C	BONNIE BURR SANITARIUM
	9363	HUNTERDON	10	40 27	74 48	160	7A					ROBERT M. MANNERS
	9608	MORRIS	8	40 54	74 36	680	7A					N.J. POWER & LIGHT CO.
	9932	BERGEN	4	41 01	74 03	103	MID				C	HACKENSACK WATER CO.
	9910	SALEM	2	39 39	75 19	30	5P					CREAM VALLEY DAIRY

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
MILTON	5597	MORRIS	8	41 01	74 32	950	7A				JERSEY CITY WATER WKS.
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A			H. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A	8A			M. JOSEPH M. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	MID			C. H. U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 20	74 26	86	5P	5P			ARTHUR M. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12		MID			C. HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C. H. NEWTON WTR. + SWR. COMM.
OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870		8A			NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A			DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140		MID			C. COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A			P. J. DEL VECCHIO
PENBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P		SP	M. PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P			M. SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196	9A				JOINT TOLL BRIDGE COMM.
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P			H. MRS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60		MID			PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 38	74 15	20		MID			C. H. RAHWAY VLY. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305		10A			NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P			EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P			H. W. E. HAYER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800		10A			JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 43	74 18	-					C. N. J. DEPT. OF CONS.
SUSSEX	8444	SUSSEX	5	41 13	74 37	440	7A	7A			BRUCE D. STANTON
TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID			C. H. U.S. WEATHER BUREAU
TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P			REV. WALTER T. GANDEK
WANAQUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320	8A				C. H. WATER SUPPLY COMM.
WATCHUNG	9271	UNION	8	40 40	74 25	-					C. BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160	7A				ROBERT M. MANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	7A				N.J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103		MID			C. HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P			CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

DECEMBER 1962

Volume 67 No. 12



ASHEVILLE: 1963

PROPERTY OF THE
MAR 1 1963
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 74° on the 1st at Flemington 1 NE

Lowest Temperature: -10° on the 30th at Sussex

Greatest Total Precipitation: 5.07 inches at Belleplain Sta. Forest

Least Total Precipitation: 0.81 inch at Manville

Greatest One-Day Precipitation: 1.67 inches on the 7th at Mays Landing

Greatest Reported Total Snowfall: 23.0 inches at Branchville

Greatest Reported Depth of Snow on Ground: 9 inches on the 30th at 3 Stations

SPECIAL WEATHER SUMMARY

On December 6 thunderstorms occurred in several communities in the State. Lightning struck a commercial radio transmitter, located in Bucks County, Pennsylvania, putting a Trenton radio station off the air for 25 minutes.

The most severe weather of the month occurred on the 30th and 31st when a cold wave accompanied by sustained high winds swept over the entire State. Temperatures were generally in the twenties on the morning of the 30th, and on the following morning readings ranged from 5° above to 10° below zero. Winds from 40 to 55 m. p. h. were general through the State on both days, with gusts

up to 81 m. p. h. reported at Newark Airport on the 30th. Power lines were blown down, billboards were toppled, store windows were smashed, and automobile engines were frozen. One man in Trenton was treated for frost-bite of the hands and feet.

Donald V. Dunlap
State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
OCTOBER 1962

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max.	Min.	0" or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
NORTHERN																								
BOONTON 1 SE	38.0	17.9	28.0	- 3.5	68	2	5	31	1141	0	11	30	0	2.72	- .70	.80	6	9.0	3	22	7	2	0	
CANOE BROOK	38.7	16.3	27.5	- 3.7	68	2	1	31	1154	0	8	30	0	2.73	- .92	.77	22	9.9	5	7	7	2	0	
CHARLOTTEBURG	36.9M	15.7M	26.3M	- 4.5	67	1	- 6	31	1190	0	10	1	1	3.11	- 1.01	.95	6	15.8	4	23+	7	3	0	
ELIZABETH	39.1	22.2	30.7	- 4.0	69	1	2	31	1059	0	7	27	0	2.96	- .64	.75	5	4.0	2	27+	9	3	0	
ESSEX FIELDS SERV BLDG	37.4	17.5	27.5	- 5.7	68	2	- 1	31	1159	0	13	30	1	3.08	- .75	1.00	6				8	2	1	
FLEMINGTON 1 NE	37.5	17.7	27.6	- 5.7	74	1	- 5	31	1152	0	13	29	1	3.35	- .07	.95	6	20.5	7	31+	8	2	0	
HIGH POINT PARK	34.7	15.7	25.2	- 5.7	62	1	- 9	31	1224	0	14	25	3	1.93	- .90	.90	6				4	1	0	
JERSEY CITY	36.5	24.0	30.3	- 4.5	63	1	2	31+	1068	0	12	23	0	2.41	- .88	.81	5				6	1	0	
LAMBERTVILLE	37.9	19.5	28.7	- 5.0	70	1	1	31	1116	0	11	30	0	2.68	- .70	1.13	6	11.0	3	31+	8	2	1	
LAYTON	36.5	13.1	24.8	- 5.0	63	1	- 5	13	1240	0	12	29	5	2.88	- .73	.73	22	19.3	9	30	8	2	0	
LITTLE FALLS	40.2	20.4	30.3	- 3.3	70	2	1	31	1070	0	7	30	0	3.03	- .87	.99	6	8.8	5	22	7	2	0	
LONG VALLEY	36.4	16.0	26.2	- 5.7	68	1	- 2	31	1199	0	11	30	2	2.31	- 1.48	.75	22	13.3	6	31+	7	1	0	
MORRIS PLAINS 1 W	38.3	17.0	27.7	- 5.7	72	2	- 3	31	1151	0	11	30	1	2.89	- .77	.6	6	14.2			7	2	0	
NEWARK WB AIRPORT	37.6	24.5	31.1	- 3.6	67	1	2	31+	1046	0	9	23	0	2.39	- .83	.66	5	7.8	4	22	7	1	0	
NEWTON	35.8	14.0	24.9	- 4.8	64	2	- 2	31	1235	0	12	30	4	2.45	- .75	.67	6	15.5	8	31+	5	2	0	
PHILLIPSBURG	40.6	19.9	30.3	- 2.4	68	1	- 9	31	1068	0	9	29	1	2.21	- 1.43	1.05	6	9.0	4	31+	6	1	1	
PLAINFIELD	37.8	21.8	29.8	- 4.2	70	1	1	31	1083	0	10	28	0	2.61	- .98	.83	5	10.7			7	1	0	
SOMERVILLE	37.1	20.1M	28.6M	- 4.5	70	1	3	12	1108	0	11	28	0	1.74	- 1.59	.48	22	3.5	3	25	7	0	0	
SUSSEX	38.0M	12.0M	25.0M	- 5.2	68	2	-10	30	1234	0	11		4	2.90	- .46	.85	6				6	3	0	
DIVISION			27.9	- 4.5										2.65	- .91			11.5						
SOUTHERN																								
ATLANTIC CITY WB AP	40.6	24.0	32.3	- 4.3	61	1	4	31	1007	0	6	25	0	3.84	.62	1.35	6	5.1	4	21	7	3	1	
AUUBON	38.6	23.3	31.0	- 5.7	65	1	3	31	1049	0	8	27	0	2.22	- .88	.88	6	5.0	3	21	5	2	0	
BELLEPLAIN STA FOREST	40.7	23.2	32.0	- 5.7	60	2	1	15	1017	0	5	25	0	5.07	- 1.42	1.50	21	.1	0		6	4	2	
BURLINGTON	38.3	22.3	30.3	- 5.7	67	2+	4	31	1067	0	8	27	0	2.56	- .50	1.10	6	3.5	3	25	7	2	1	
CHATSWORTH	41.2M	20.9M	31.1M	- 4.7	62	1	1	31	1043	0	7	27	0	2.68	- 1.00	1.00	6				5	2	1	
FREEHOLD	37.8	22.1	30.0	- 4.7	66	1	- 2	31	1082	0	9	27	1	2.13	- 1.32			6.2	2	11+			0	
HAMMONTON 2 NNE	39.9	22.2	31.1	- 6.0	62	1	3	31	1044	0	8	29	0	3.13	- .60	1.37	7				2	21	7	
HIGHTSTOWN 1 N	36.8	21.8	29.3	- 5.0	65	1	1	31	1099	0	11	28	0	1.90	- 1.13	.70	22	7.7	2	25	7	1	0	
INDIAN HILLS 2 W	38.2	20.7	29.5	- 5.3	65	1	0	31	1093	0	8	29	1	3.17	- .06	1.40	6	4.4	2	21	9	2	1	
MILLVILLE	41.3	22.5M	31.9M	- 5.3	63	3+	3	31	1022	0	6	25	0	3.01	- 1.02	1.02	6	4.0	0		7	3	1	
MILLVILLE FAA AIRPORT	39.5	22.9	31.2	- 5.0	62	2+	5	31+	1042	0	7	26	0	3.12	- 1.05	1.05	6	5.0	1	26+	7	3	1	
MOORESTOWN	37.3	22.3	29.8	- 5.0	65	1	2	31	1084	0	12	27	0	2.57	- .34	1.06	7	8.0	7	10	6	2	1	
NEW BRUNSWICK EXP STA	38.0	22.6	30.3	- 3.9	65	1	0	31	1069	0	9	25	1	2.11	- 1.06	.77	5	7.3	2	25+	6	2	0	
NEW MONMOUTH	38.8	23.2	31.0	- 5.7	62	1	1	31	1046	0	9	27	0	2.43	- .97	.97	22				4	2	0	
PEMBERTON 3 E	39.0	20.8	29.9	- 5.7	67	1	1	31	1081	0	7	29	0	3.10	- .02	1.30	6	5.3	1	25+	6	2	1	
SHILOH	38.9	23.3	31.1	- 5.0	64	1	2	31	1044	0	9	27	0	2.52	- .54	1.10	6				6	1	1	
TOMS RIVER	40.7	21.8	31.3	- 5.0	60	1	0	31	1040	0	7	28	1	2.57	- 1.10	1.10	22	1.3	0		5	3	1	
TRENTON WB CITY	36.8	24.1	30.5	- 4.7	66	1	1	31	1063	0	9	25	0	2.83	- .04	1.14	6	7.5	4	22+	6	1	1	
TUCKERTON	41.0	23.6	32.3	- 4.7	59	1	4	31	1006	0	6	26	0	2.41	- 1.08	1.08	22	2.5	0		6	1	1	
WOODSTOWN	38.4	22.3	30.4	- 5.7	65	1	3	31	1067	0	8	26	0	2.25	- 1.09	1.09	6	9.5	3	21	5	1	1	
DIVISION			30.8	- 4.5										2.78	- .48			5.2						
COASTAL																								
ATLANTIC CITY	40.8	27.4	34.1	- 4.2	54	2+	8	31	951	0	6	23	0	2.79	- .69	.65	21				7	3	0	
CAPE MAY 3 W	42.4	29.5	36.0	- 4.2	60	6+	6	31	892	0	4	19	0	3.99	- 1.22	1.22	22				6	3	2	
LONG BRANCH	38.5	23.9	31.2	- 4.1	62	1	2	31	1043	0	8	25	0	2.72	- .91	.73	22	4.5	2	21	7	1	0	
DIVISION			33.8	- 3.2										3.17	- .17			4.5						

See Reference Notes Following Station Index

NEW JERSEY
DECEMBER 1962

See reference notes following Station Index.

DAILY TEMPERAT URES

NEW JERSEY
OCTOBER 1962

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY W8 AP	MAX MIN	61 31	60 39	60 38	53 34	48 43	49 34	42 33	46 32	45 29	31 21	32 16	26 14	24 10	28 17	34 8	36 20	36 17	46 28	49 25	43 24	41 18	46 30	44 26	33 24	36 25	44 30	37 22	38 22	40 22	34 7	18 4	40.6 23.9
ATLANTIC CITY	MAX MIN	54 34	54 40	53 41	51 40	48 44	50 35	41 35	47 35	45 31	31 24	32 21	26 17	24 15	28 19	38 15	39 25	35 23	46 32	42 25	43 21	48 32	45 30	34 26	43 28	46 31	39 26	38 28	43 27	35 10	18 8	40.8 27.4	
AUGUBON	MAX MIN	65 38	60 36	51 37	52 32	48 43	47 33	39 28	44 32	39 29	31 20	30 19	25 11	23 12	28 10	28 14	36 25	37 20	47 32	44 28	43 23	24 23	39 33	44 22	35 24	34 24	45 31	34 20	38 22	36 20	34 6	17 3	38.6 23.3
BELLEPLAIN STA FOREST	MAX MIN	59 29	60 37	58 33	52 35	50 42	48 38	47 33	45 29	45 27	44 30	33 20	27 17	25 10	30 13	28 1	36 26	36 14	49 28	45 21	45 32	33 17	45 30	39 20	43 22	33 22	42 20	37 16	38 17	37 17	17 2	40.7 23.2	
BOONTON 1 SE	MAX MIN	62 25	68 26	59 29	52 23	52 24	54 42	54 29	36 11	40 26	34 21	27 11	26 10	25 11	22 11	25 7	24 13	32 12	35 20	39 27	42 29	33 7	32 8	37 18	38 21	32 19	36 22	42 19	30 14	36 15	20 5	38.0 17.9	
BURLINGTON	MAX MIN	67 28	67 28	51 37	52 32	49 43	47 34	38 29	44 37	37 32	32 29	28 16	23 17	23 10	27 12	28 14	33 14	34 15	45 34	42 27	43 26	33 14	38 24	33 18	31 23	43 31	37 21	37 22	34 21	34 12	16 4	38.3 22.3	
CANOE BROOK	MAX MIN	64 19	68 23	59 22	54 26	55 27	48 40	54 23	36 19	43 24	35 20	27 12	27 4	25 8	22 11	25 5	24 14	33 9	37 21	41 24	43 29	34 8	34 16	37 18	42 26	36 16	33 24	43 16	31 7	38 7	34 16	18 1	38.7 16.3
CAPE MAY 3 W	MAX MIN	58 35	60 45	56 41	57 41	55 43	60 38	41 34	46 38	47 38	45 25	33 20	30 18	27 18	29 18	29 18	37 28	37 25	44 35	45 27	44 35	36 21	47 32	40 29	40 27	37 26	39 30	41 30	41 30	38 22	38 6	42.4 29.5	
CHARLOTTEBURG	MAX MIN	67 22	65 24	59 25	60 24	58 26	45 39	52 27	34 27	43 23	33 18	25 14	23 8	22 6	20 8	22 6	22 9	38 8	33 19	37 26	41 28	30 3	33 4	35 14	37 14	36 29	39 5	30 5	34 5	33 11	15 -6	36.9 15.7	
CHATSWORTH	MAX MIN	62 19	58 33	55 32	54 28	48 42	53 37	48 27	45 31	41 27	37 16	32 10	31 5	23 10	27 10	26 5	36 24	34 12	45 22	48 28	44 25	32 28	45 23	38 23	46 25	45 21	38 16	45 21	37 16	38 15	28 1	41.2 20.9	
ELIZABETH	MAX MIN	69 27	61 27	55 37	56 35	51 36	54 39	40 30	45 32	37 29	33 21	29 14	29 11	25 11	29 15	25 10	34 23	33 17	43 27	40 28	42 25	25 19	37 19	39 21	38 21	33 23	45 31	36 16	40 20	36 10	35 21	15 2	39.1 22.2
ESSEX FIELDS SERV BLOC	MAX MIN	63 25	68 27	57 28	54 25	54 26	46 40	48 28	35 28	41 25	41 19	27 13	26 5	24 6	24 6	24 6	25 11	30 12	34 20	39 27	40 29	32 7	32 8	36 20	39 19	31 16	32 23	40 16	37 9	33 13	17 -1	37.4 17.5	
FLEMINGTON 1 NE	MAX MIN	74 19	60 23	55 22	56 24	49 38	50 40	37 27	44 32	34 24	32 18	27 11	24 5	20 6	24 15	28 9	32 21	32 8	42 31	44 25	42 23	24 10	37 15	43 12	39 20	29 15	41 25	36 18	34 13	32 10	12 -5	37.5 17.7	
FREEMOHO	MAX MIN	66 28	56 36	54 29	53 33	46 41	54 34	37 29	44 32	38 30	32 18	29 16	24 10	23 10	25 13	25 9	38 24	32 15	42 28	41 28	38 24	42 12	37 24	41 21	35 22	35 22	43 18	38 20	37 20	35 12	12 -2	37.8 22.1	
HAMMONTON 2 NNE	MAX MIN	62 28	61 31	60 33	57 27	51 29	47 42	48 30	40 31	45 30	40 19	30 16	32 14	24 11	28 13	28 9	30 21	36 19	36 27	46 31	39 15	43 25	35 23	40 24	31 24	41 20	35 20	36 20	37 20	34 3	24 3	39.9 22.2	
HIGH POINT PARK	MAX MIN	62 40	60 36	51 34	56 37	49 36	52 43	47 23	38 33	36 28	29 14	22 7	21 2	19 1	18 3	15 2	19 6	29 8	34 18	32 27	38 18	32 -1	37 22	33 20	34 13	25 13	38 15	48 7	28 15	36 15	38 5	8 -9	34.7 15.7
HIGHTSTOWN 1 N	MAX MIN	65 25	57 32	48 32	52 41	47 32	53 44	37 29	43 33	36 27	31 19	27 17	23 9	21 10	25 14	25 9	32 24	32 30	43 28	40 25	40 25	25 20	39 23	40 22	37 20	30 22	42 22	35 18	36 16	35 12	12 1	36.8 21.8	
INDIAN MILLS 2 W	MAX MIN	65 20	61 29	55 30	51 25	46 30	46 32	38 29	43 28	39 26	33 18	30 14	24 11	23 11	27 16	27 3	35 24	34 12	45 23	46 26	42 23	26 14	42 25	40 20	37 22	32 20	42 30	34 17	35 12	16 0	38.2 20.7		
JERSEY CITY	MAX MIN	63 37	55 40	51 39	53 33	45 40	52 33	34 28	42 33	35 31	31 22	27 17	25 16	23 13	25 15	26 12	31 21	31 20	41 32	41 36	27 10	41 27	36 23	36 21	38 23	32 21	43 27	33 20	37 24	36 2	13 2	36.5 24.0	
LAMBERTVILLE	MAX MIN	70 23	61 25	55 28	55 28	46 37	48 38	37 30	42 30	35 25	32 17	28 16	25 7	22 10	26 15	28 7	34 24	44 13	37 25	42 25	25 12	41 18	42 17	39 23	41 18	32 19	43 28	35 19	37 13	32 12	16 0	37.9 19.5	
LAYTON	MAX MIN	63 17	60 20	58 20	56 34	43 34	53 39	45 27	39 28	39 20	31 18	24 7	25 -4	25 -5	24 -4	25 -2	33 13	28 3	35 25	38 20	41 19	19 4	37 19	41 19	40 19	27 13	41 23	33 4	37 6	30 3	31 -3	10 1	36.5 13.1
LITTLE FALLS	MAX MIN	68 26	70 30	60 30	56 27	56 32	47 42	56 29	38 27	41 28	37 21	28 15	26 12	28 10	26 12	27 3	32 16	34 14	40 23	42 29	34 29	34 10	40 21	33 24	35 20	42 20	44 24	33 16	42 16	36 16	36 16	19 1	40.2 20.4
LONG BRANCH	MAX MIN	62 29	54 38	46 38	52 38	45 42	53 38	38 30	45 33	40 30	29 20	27 16	25 13	22 12	25 15	30 11	34 22	42 30	42 18	41 30	37 18	46 30	44 26	33 23	41 30	43 27	35 29	38 21	42 24	35 14	2 2	38.5 23.9	
LONG VALLEY	MAX MIN	68 18	60 32	60 21	57 19	44 32	46 30	37 27	39 29	35 30	30 16	26 4	25 0	21 7	26 8	24 3	32 20	30 12	40 28	37 23	41 21	22 8	35 14	38 18	34 18	31 16	42 16	34 12	36 7	33 3	11 -2	36.4 16.0	
MILLVILLE	MAX MIN	63 30	62 33	63 38	60 31	50 33	49 42	49 32	42 32	47 32	33 22	26 16	29 15	33 14	26 14	29 9	34 14	37 18	37 24	47 24	48 27	42 16	42 17	36 23	41 23	32 23	43 23	35 24	43 20	37 21	24 3	41.3 22.5	
MILLVILLE FAA AIRPORT	MAX MIN	62 31	62 40	60 38	49 32	48 40	48 34	41 33	46 33	42 28	30 31	27 17	25 14	25 12	34 14	34 9	37 21	36 17	46 26	47 24	41 27	39 16	41 20	40 23	32 28	41 28	36 19	36 16	33 15	17 5	39.5 22.9		
MOORESTOWN	MAX MIN	65 24	60 34	49 33	51 40	47 32	46 38	39 29	43 33	37 27	29 20	29 19	24 14	22 13	26 11	30 11	35 21	45 17	43 29	41 20	35 15	38 30	39 25	30 23	32 24	42 26	32 18	37 19	34 18	32 3	2 2	37.3 22.3	
MORRIS PLAINS 1 W	MAX MIN	67 24	72 30	58 26	56 23	55 27	45 41	5																									

Continued

DAILY TEMPERATURES

NEW JERSEY
DECEMBER 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TRENTON WB CITY	MAX	66	58	48	52	47	47	37	42	34	29	27	23	21	25	26	32	36	43	41	43	27	38	39	33	33	43	33	36	35	33	14	36.8
	MIN	35	43	32	29	42	33	29	33	27	20	19	14	12	17	14	25	22	36	31	20	13	27	27	23	23	29	21	23	24	2	1	24.1
TUCKERTON	MAX	59	56	55	50	50	54	46	44	42	40	32	28	24	29	27	37	34	47	50	44	33	46	45	40	40	45	37	40	40	38	19	41.0
	MIN	29	33	33	34	42	37	32	30	28	20	15	12	9	17	18	20	13	30	22	28	17	32	23	24	21	32	20	23	17	17	4	23.6
WOODSTOWN	MAX	65	60	53	51	50	48	40	44	38	33	31	25	23	29	27	36	37	48	43	42	29	35	36	37	30	41	36	37	35	33	18	38.4
	MIN	25	33	36	31	42	33	33	31	30	21	17	13	12	15	8	25	15	31	23	27	16	17	18	22	22	28	18	15	16	15	3	22.3

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX	44	45	44	44	43	45	45	42	41	36	34	33	33	32	32	32	33	33	33	33	33	33	33	33	34	33	34	34	33	33	31	36.3
	MIN	37	39	40	41	42	40	37	39	39	34	33	33	33	32	32	31	32	32	32	32	33	33	33	33	33	33	33	33	33	31	29	34.5
2 INCHES	MAX	44	44	44	44	43	45	45	42	40	36	34	33	33	32	32	32	33	33	33	33	34	34	34	34	34	33	34	34	33	33	32	36.4
	MIN	37	39	40	41	42	40	37	39	39	34	33	33	33	32	31	32	32	32	32	33	33	33	34	34	33	33	33	33	33	32	29	34.7
4 INCHES	MAX	42	42	43	43	43	45	47	42	41	39	37	36	35	34	34	34	34	34	34	34	34	33	33	34	34	35	34	35	34	34	34	37.1
	MIN	38	39	40	41	42	41	40	41	40	37	36	35	35	34	34	33	33	32	33	34	33	33	33	34	34	34	34	34	34	34	32	35.8
8 INCHES	MAX	42	42	43	43	43	44	46	43	42	42	39	38	37	36	36	36	35	36	36	36	35	35	35	35	36	36	35	35	35	35	35	38.3
	MIN	40	41	42	42	42	43	42	42	42	39	38	37	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	37.4
16 INCHES	MAX	44	44	44	44	44	45	50	45	45	43	42	41	40	40	39	39	39	39	39	39	38	38	38	38	38	38	38	37	37	37	37	40.9
	MIN	43	43	44	44	43	44	44	45	44	43	42	41	40	40	39	39	39	39	38	38	38	38	38	38	38	38	37	37	37	37	40.2	
32 INCHES	MAX	46	46	46	46	46	46	52	48	47	47	47	46	45	45	44	43	43	43	42	42	42	41	41	41	41	41	41	41	40	40	40	44.0
	MIN	46	46	46	46	46	46	46	48	47	47	46	45	45	44	43	43	42	42	42	41	41	41	41	41	41	40	40	40	40	40	40	43.5
PLOT #2																																	
1 INCH	MAX	48	47	46	46	43	46	36	42	35	35	34	33	30	30	30	32	32	33	33	33	31	33	33	33	32	33	32	32	33	33	24	35.4
	MIN	32	34	35	37	40	35	33	35	34	34	33	33	30	27	25	23	30	27	30	32	30	28	32	33	29	31	32	28	30	29	16	30.5
2 INCHES	MAX	47	47	46	46	43	46	43	42	35	35	34	33	30	30	30	32	32	33	33	33	31	33	33	33	32	33	32	32	33	33	24	35.6
	MIN	33	34	35	37	40	35	33	35	34	34	33	33	30	27	25	24	30	27	30	32	31	28	32	33	29	31	32	28	31	29	18	31.3
4 INCHES	MAX	45	45	44	45	43	46	44	41	36	36	35	35	33	32	31	31	32	32	33	33	32	32	33	34	33	33	33	33	33	33	25	35.9
	MIN	34	35	37	39	41	37	35	36	35	35	34	32	29	27	26	30	29	31	32	32	29	32	33	33	31	31	32	30	32	31	22	32.0
8 INCHES	MAX	42	43	42	43	43	45	45	41	39	38	37	36	35	33	32	32	32	33	34	33	33	33	33	33	33	33	33	33	33	33	29	36.2
	MIN	37	38	39	40	42	41	38	39	38	37	36	35	33	33	31	32	32	32	32	33	33	32	35	33	34	33	33	33	33	33	32	28

PLOT #1 - SLOPE OF GROUND: FLAT. SOIL TYPE: LOAM. GROUND COVER: KENTUCKY BLUEGRASS. INSTRUMENTATION: COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND: FLAT. SOIL TYPE: LOAM. GROUND COVER: BARREN. INSTRUMENTATION: BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A EST	7:00 A EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	NW	14	11.1	40++	NW	31	72	75	60	68	5	1	4	2	1	0	13	52	6.1
ATLANTIC CITY (ST. MARINA)	-	-	14.5	48	NW	31+	-	-	-	-	-	1	4	3	0	0	-	-	-
LONG BRANCH	NW	13	12.1	60	NW	30		75	58	66	2	2	6	1	0	0	11	53	5.4
NEWARK WB AIRPORT	NNE	15	12.2	55++	NW	31	67	71	58	62	4	4	6	1	0	0	15	-	6.2
TRENTON WB CITY	N	-	10.2	48	NW	31	-	-	-	-	3	4	5	0	1	0	13	54	5.9
\$ 12:00 NOON																			

\$ 12:00 NOON

SNOWFALL AND SNOW ON GROUND

NEW JERSEY
DECEMBER 1962

Station		Day of month																																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
ATLANTIC CITY WB AP	SNOWFALL SN ON GNO						T	T		.4		T			T				T				3.6				.8			.3	T							
BASS RIVER ST FOREST	SNOWFALL SN ON GNO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
CHARLOTTEBURG	SNOWFALL SN ON GNO							1.0	2.0		2.5	1	3	3	3	2	2	1	3	2	2	1		4.0	4	4	3	2	1.0		.3	2	3.0					
FLEMINGTON 1 NE	SNOWFALL SN ON GNO							2.0	T	1.5	4.0	2	4	4	4	5	5	4	4	2	2		T	5.0	3	2	2	2.5	4	3	.5	1.0	3.0					
FREEHOLD	SNOWFALL SN ON GNO										1.8	2	2	1	1	1	1	T	T				1.0	2.0			1.2	1	T	.2	T							
HIGHTSTOWN 1 N	SNOWFALL SN ON GNO						T	.1		1.0	1	T	T	T	T	T	T	T	T		T		1.0	2.0			2.3	2	1	1	.3	1	1.0	T				
INDIAN MILLS 2 W	SNOWFALL SN ON GNO						T	T		T	.6	T	T	T	T	T	T						1.8	1.0			1.0	1	T	T	T		T					
LAMBERTVILLE	SNOWFALL SN ON GNO							.5		1.0	.5	1	1	T	T	T	T	T					1.0	4.0			2.0	3	2	1	T	1.0	1.0	3				
LITTLE FALLS	SNOWFALL SN ON GNO							.8	1			1.5	2	2	1	1	1	2	.8	1	1	T	T	4.5	5	4	3	3	.5	4	3	.3	.2	3				
LONG BRANCH	SNOWFALL SN ON GNO						T	T		1.0		1	1	1	T	T	T	T	T				2.0	2			1.0		.5									
LONG VALLEY	SNOWFALL SN ON GNO							1.0	1	T	1.3	2.4	1	3	3	2	2	.2	2	2	1	1	T	T	T	T	3.8	3	3	3	1.0	4	3	3	.3	.9	2.4	6
MAYS LANDING	SNOWFALL SN ON GNO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	-	T	-	-	-	-	-					
MILLVILLE	SNOWFALL SN ON GNO						T				T												2.5				1.5											
MILLVILLE FAA AP	SNOWFALL SN ON GNO						T	T		T		T				T	T						3.0				2.0	T	T		T	T						
MOORESTOWN	SNOWFALL SN ON GNO							.5	5			1.0	7	3	1	T	T	T	T					4.0	2	2	1	T	2.5	2	2	1	1	1	1			
MORRIS PLAINS 1 W	SNOWFALL SN ON GNO	-	-	-	-	-	-	1.0	1.0	-	3.5	-	-	-	-	.5	T	.2	-	-	-	-	-	4.0	T	-	-	1.5	-	.5	-	2.0	-	-				
NEWARK WB AIRPORT	SNOWFALL SN ON GNO WTR EQUIV						T	.3	T		1.9	.2	1	1	1	1	T	T	T	T			3.3	1.0	4	3	2	.9	2	3	T	.1	T	T				
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GNO							T	T		T	1.5	1	T	T	T	T						T	3.5	2	2	1	1.8	2	T	T	T	.5	T	T			
NEWTON	SNOWFALL SN ON GNO							T	1.0	1		4.0	4	3	2	2	2	2	3	2	2	1	T	T	4.0	T	4	4	4	1.0	4	4	.5	4	3.5	8	8	
PEMBERTON 3 E	SNOWFALL SN ON GNO							T			T												1.3	3.0			1.0	1				T						
PHILLIPSBURG	SNOWFALL SN ON GNO							T			T	T	T											T	4.0	4	3	2	3.0	4	3	2	2	T	2.0	4	4	
PLAINFIELD	SNOWFALL SN ON GNO	-	-	-	-	-	T	1.0	-	2.0	-	-	-	-	-	.2	-	T	-	-	-	-	3.0	2.0	-	-	1.5	-	T	-	1.0	-	-	-	-			
RAHWAY	SNOWFALL SN ON GNO						T	T		2.0	T	2	1	1	1	1	T		T				3.8	.4	3	2	T	2	T	1	1	1	1	1	1			
SOMERVILLE	SNOWFALL SN ON GNO							T		.7	.2	1	1	-	-	-	-	-	-	-	-	-	1.0	-	2	2	2	1.0	3	-	2	2	.3	.3	2	2		
TRENTON WB CITY	SNOWFALL SN ON GNO						.1	.3	T		.7	1	T	T	T	T	.1			T			3.8	.2	3	1	T	1.5	T	1	.1	T	.7	T	T			
WANAQUE RAYMOND OAM	SNOWFALL SN ON GNO							.3	T	T		1.0	1	1	1	1	1	1	2	2	1	1	T		4.0	4	3	3	.5	3	3	.3	1	2.0	3	3		

CLIMATOLOGICAL DATA

NEW JERSEY
DELAYED DATA

Station	Temperature											Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet		No. of Days			
										Max.	Min.	No. of Days					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
JULY 1962																						
PATERSON	84.2M	62.8M	73.5M		97	9	56	28+	2	6	0	0	1.74		1.15	24	.0	0	3	1	1	
AUGUST 1962																						
HIGH POINT PARK	75.8	56.0	65.9		86	21	48	18	45	0	0	0	4.38		1.03	28	.0	0	9	3	1	
NOVEMBER 1962																						
5U55EX	46.1M	43.1M	44.6M	2.6	60	30+	20	30+	809	0	0	0	3.62	- .19	1.16	10			5	3	1	

DAILY TEMPERATURES

Station		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JULY 1962																																	
PATERSON	MAX MIN	86 62	89 58	85 61	82 60	85 59	75 60	83 63	89 66	97 67	93 63	88 61	90 65	87 67	91 67	85 61	90 65	78 63	75 62	67 59	87 64	86 72	91 66	84 64	78 60	78 61	75 69	87 56	78 56	85 64	83 63	84.2 62.8	
AUGUST 1962																																	
HIGH POINT PARK	MAX MIN	81 61	84 54	83 56	83 61	68 59	77 61	84 65	77 60	82 55	60 50	55 50	64 50	70 53	73 57	76 52	78 53	79 61	78 48	74 51	76 55	86 62	80 54	74 53	72 51	73 54	75 56	79 59	77 58	68 59	80 59	85 60	75.8 56.0
NOVEMBER 1962																																	
5U55EX	MAX MIN	47 42	49 25	54 25	40 32	40 25	47 25	42 21	53 21	55 30	55 30	60 44	47 55	48 25	38 27	42 29	47 24	40 32	37 29	34 20	40 20	36 26	44 36	47 35	45 28	-	-	45 21	49 23	54 23	60 20	46.1 43.1	

DAILY SOIL TEMPERATURES

Station		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
OCTOBER 1962																																	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX MIN	67 58	68 59	69 62	66 63	67 65	68 64	67 62	67 60	65 63	66 62	67 61	69 63	66 59	65 57	63 59	67 59	67 60	64 57	63 55	63 55	62 57	-	58 54	55 50	52 48	50 46	51 45	53 45	53 47	52 46	52 51	62.1 56.4
2 INCHES	MAX MIN	67 58	67 59	68 62	66 63	66 64	67 64	67 62	66 60	65 63	66 62	66 61	68 63	66 59	64 57	63 59	66 59	67 60	63 57	62 54	62 54	62 57	-	58 54	55 51	52 48	50 46	49 45	53 46	53 47	52 46	52 51	61.6 56.4
4 INCHES	MAX MIN	64 60	65 60	66 62	65 63	65 64	66 64	65 62	65 61	64 63	65 62	64 61	66 63	64 60	62 58	62 59	65 59	65 61	62 58	60 56	60 56	61 58	-	58 56	56 53	53 50	52 49	50 48	52 48	53 50	51 48	52 51	60.6 57.5
8 INCHES	MAX MIN	64 61	63 61	64 63	64 63	65 64	65 64	65 64	64 62	64 63	64 63	64 62	66 63	64 62	62 61	62 60	64 61	64 63	62 60	60 58	60 58	60 59	-	58 57	57 55	55 53	52 50	51 50	53 50	53 52	52 51	52 51	60.5 58.8
16 INCHES	MAX MIN	63 63	63 63	64 63	64 63	65 64	65 64	64 64	64 64	64 63	64 63	64 63	64 63	64 63	62 62	62 62	63 63	63 62	61 62	61 60	60 60	-	59 59	59 58	58 57	56 55	55 54	54 53	55 54	55 53	54 53	54 53	61.1 60.4
32 INCHES	MAX MIN	64 63	64 63	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 63	64 63	63 63	63 63	62 62	62 61	61 61	-	61 61	61 60	60 60	59 59	58 58	57 57	57 57	56 56	56 56	62.1 61.7	
PLOT #2																																	
1 INCH	MAX MIN	71 51	72 52	74 60	68 61	68 63	69 61	68 56	71 53	67 59	68 57	72 57	74 60	68 50	69 48	65 54	74 59	71 54	68 48	73 46	69 47	68 52	-	59 47	58 42	52 37	45 36	51 35	57 37	54 38	52 36	52 47	64.9 50.1
2 INCHES	MAX MIN	71 51	72 52	73 60	68 61	68 63	68 61	70 56	73 59	66 57	68 57	71 57	74 60	67 51	68 54	64 54	74 59	71 54	67 49	67 48	69 47	67 52	-	59 48	56 43	52 38	45 36	50 33	56 33	53 33	52 36	52 47	64.2 50.4
4 INCHES	MAX MIN	69 53	69 54	71 60	67 62	67 63	67 62	67 60	68 55	65 60	66 58	69 57	72 61	66 54	66 51	64 55	71 59	69 57	66 51	65 49	66 50	65 54	-	58 50	56 45	51 41	45 40	49 38	54 39	52 41	51 39	52 48	62.8 52.2
8 INCHES	MAX MIN	65 57	64 58	66 61	66 62	65 64	65 64	65 61	65 59	62 60	63 60	64 59	65 62	68 59	62 56	66 58	66 60	62 61	62 56	62 55	62 57	-	57 54	54 51	50 47	49 45	48 42	51 43	51 47	49 44	50 49	60.2 55.6	

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
DELAYED DATA

Station	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JUNE 1962																																
BELMAR 2 SW															.33						.28			.27	.48							-
CANTON						.02						1.39				.28				.45	1.90		.39									4.43
CLINTON	.17				.34	.23						.53	.60	T						.52				.19								2.55
JULY 1962																																
BELMAR 2 SW											.50										.39	.10		1.00	2.00					T		3.99
PATERSON													T	T	.03		T	T	.25			T	.31	1.15						T		1.74
AUGUST 1962																																
BELMAR 2 SW						.10						.20							.30		.40							3.20	.58			4.78
HIGH POINT PARK	.01				.39		.05	.71	.25	.28	.47							.57		.25	.29	.01						1.03	.02	.05		4.38
OCTOBER 1962																																
BELMAR 2 SW		.10	1.20	.80							T						.10											.09				2.29
NOVEMBER 1962																																
BELMAR 2 SW										2.50	1.00									1.00	1.10		T					T				5.60
SUSSEX	.04				.95			T	T	1.16	.15			.06				.09	.45		.06	.66										3.62

CORRECTED DATA

October 1962

Temperature and Precipitation Extremes

Highest temperature: 87° on the 12th at 3 stations.

STATION INDEX

NEW JERSEY
1962

STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP	PRECIP.	EVAP.	SPECIAL		
ALLENOLE	BERGEN	0100	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	ATLANTIC	0311	1	39 27	74 35	58	M10	M10			C HJ	U.S. WEATHER BUREAU
ATLANTIC CITY	ATLANTIC	0325	1	39 23	74 36	10	M10	M10			J	STATE MARINA
AUGUBON	CAMDEN	0346	2	39 34	75 04	50	11P	11P			H	IRVIN J. NYGREN
BASS RIVER ST FOREST	BURLINGTON	0528	1	39 37	74 26	20					9A	H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	CAPE MAY	0690	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST
BELEAR 2 SW	MONMOUTH	0721	1	40 09	74 04	40					8A	BELEAR WATER WORKS
BELVIERE	WARREN	0729	2	40 50	75 05	275					5P	CLEMENT HAUP
BERNARDSVILLE 2 E	SOMERSET	0797	8	40 43	74 32	240					7A	BERNARDS WATER COMPANY
BLACKWELLS HILLS	SOMERSET	0847	10	40 39	74 35	27					7A	HENRY M. MILLER
BOONTON 1 SE I	MORRIS	0907	8	40 54	74 24	280	8A	8A				JERSEY CITY WATER WORKS
BOUND BROOK 2 W I	SOMERSET	0927	10	40 33	74 34	30					8A	AMERICAN CYANAMID CO.
BRANCHVILLE	SUSSEX	0978	5	41 09	74 45	580					7A	ALBERT M. DAVENPORT
BURLINGTON	BURLINGTON	1211	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	SUSSEX	1327	8	41 07	74 30	1040						NEWARK WATER DEPARTMENT
CANOE BROOK	ESSEX	1335	8	40 45	74 21	180	9A	9A			9A	COMMONWEALTH WATER CO.
CANTON	SALEM	1343	2	39 28	75 25	20						GERTRUDE S. WILLIS
CAPE MAY 3 W	CAPE MAY	1351	1	38 57	74 58	10	5P	5P				WEST HAGEN SITE CO.
CEGAR GROVE	ESSEX	1472	8	40 52	74 13	400						J. A. PLUMETT
CENTERTON	SALEM	1512	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	PASSAIC	1582	8	41 03	74 26	760	7A	7A				NEWARK WATER DEPT.
CHATHAM	MORRIS	1590	8	40 46	74 23	185						EDWARD P. HOLITOR
CHATSORTH	BURLINGTON	1598	1	39 49	74 32	100	5P	5P				CARL M. KEECHER
CLAYTON	GLOUCESTER	1708	6	39 39	75 06	120	6P	6P			M	HARRY P. CAMPBELL
CLINTON	HUNTERDON	1749	10	40 38	74 54	280						THOMAS L. HALPIN
ELIZABETH	UNION	2644	1	40 40	74 14	33	5P	5P				UNION CO. PARK COMM.
ELIZABETHPORT	UNION	2652	8	40 38	74 12	10						SEWAGE TREATMENT PLANT
ESSEX FELS SERV BLOC	ESSEX	2748	8	40 50	74 18	250	8A	8A				BOROUGH ESSEX FELS
FLEMINGTON 1 NE	MUNTERDON	3029	10	40 31	74 51	140	5P	7A			H	DONALD YOUNG
FORTESCUE	CUMBERLAND	3102	2	39 14	75 10	5						JOHN LOPER
FREEMOLD	MONMOUTH	3181	10	40 15	74 17	194	6P	6P			C H	FRANK J. MOREAU
GLASSBORO	GLOUCESTER	3291	2	39 42	75 07	135						GLASSBORO STATE COLLEGE
GREENWOOD LAKE	PASSAIC	3516	8	41 09	74 20	660						GEORGE T. WIGGINS
HACKENSACK	BERGEN	3572	4	40 53	74 03	10						BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	ATLANTIC	3602	7	39 39	74 48	85	8A	8A				HUBBARD PARKMURIST
HIGH POINT PARK	SUSSEX	3935	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONG.
HIGHTSTOWN 1 N	MERCER	3951	10	40 17	74 31	100	6P	6P			C H	JAMES R. PICKERING
INDIAN HILLS 2 W	BURLINGTON	4229	7	39 48	74 47	100	7P	7P			H	EDWARD ENTWISTLE
JERVINGTON	ESSEX	4260	1	40 43	74 15	120						JOINT MEETING GARAGE
JERSEY CITY	MUNSON	4339	1	40 44	74 03	135	M10	M10			C	JERSEY CITY WATER DEPT.
LAMBERTVILLE	HUNTERDON	4635	2	40 22	74 57	75	6P	6P			H	E. E. CASE
LAURELTON 1 E	OCEAN	4700	1	40 04	74 07	20	M10	M10			C H	PUBLICATION ENDED 8/62.
LAYTON	SUSSEX	4736	2	41 15	74 52	390	5P	5P				CHARLES KOONS
LITTLE FALLS	PASSAIC	4887	8	40 53	74 14	150	9A	9A			C HJ	WILLIAM G. MARTIN JR.
LONG BRANCH	MONMOUTH	4987	1	40 18	74 00	20	M10	M10				
LONG VALLEY	MORRIS	5003	10	40 47	74 47	540	6P	6P			M	ARTHUR BARKMAN
LUMBERTON	BURLINGTON	5055	2	39 58	74 48	25						JAMES LAWTON
MACOPIN INTAKE	PASSAIC	5071	8	41 01	74 24	584						INACTIVE 1/63
MAHWAH	BERGEN	5104	8	41 06	74 10	253						ROBERT G. GLASGOW
MANVILLE	SOMERSET	5197	10	40 33	74 34	50						JOHN L. RADCLIFFE
MARLBORO SCS	MONMOUTH	5244	1	40 20	74 14	120						GEROW BRILL
MAYS LANDING	ATLANTIC	5346	3	39 27	74 44	10						COUNTY EXTENSION SVC.
MIDLAND PARK	BERGEN	5503	8	40 59	74 09	210						RIDGEWOOD WATER CO.
MILLVILLE	CUMBERLAND	5576	6	39 24	75 03	60	8A	M10			C H	L. J. GALLAHER
MILLVILLE FAA AIRPORT	CUMBERLAND	5581	6	39 22	75 04	70	M10	M10				FED. AVIATION AGENCY
MILTON	MORRIS	5597	8	41 01	74 32	950	7A	7A				JERSEY CITY WATER WKS.
MODROSTOWN	BURLINGTON	5728	2	39 58	74 58	55	M10	8A				H J. WILLARD
MORRIS PLAINS 1 W	ESSEX	5769	8	40 50	74 10	400	8A	8A				H JOSEPH M. GARRIS + III
NEWARK WB AIRPORT	MIDDLESEX	6026	1	40 42	74 10	11	M10	M10			C HJ	U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	MIDDLESEX	6062	10	40 28	74 26	86	5P	5P			GH	ARTHUR H. AHLQUIST
NEW MILFORD	MONMOUTH	6146	4	40 57	74 02	12					M10	HACKENSACK WATER CO.
NEW MONMOUTH	MONMOUTH	6158	1	40 25	74 06	30	4P	4P				ST. MARYS SCHOOL
NEWTON	SUSSEX	6177	2	41 03	74 45	565	8A	8A			C H	NEWTON WTR. + SWP. CO.
OLD RIDGE RESERVOIR	PASSAIC	6460	8	41 02	74 30	870						NEWARK WATER DEPT.
OLAKWICK	MUNTERDON	6544	10	40 40	74 45	260	8A	8A				DAN A. COUGHLIN
ORANGE	ESSEX	6560	8	40 47	74 14	140					M10	COUNTY ENGINEER
PATERSON	PASSAIC	6775	8	40 54	74 09	100	8A	8A				P. J. DEL VECCHIO
PENBERTON 3 E	BURLINGTON	6843	2	39 59	74 18	80	5P	5P				H PHILIP E. MARUCCI
PHILLIPSBURG	WARREN	6974	2	40 41	75 12	182	3P	3P				H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	WARREN	6975	2	40 42	75 12	196	8A	8A				JOINT TOLL BRIDGE COMM.
PLAINFIELD	UNION	7079	10	40 36	74 25	120	8P	8P				MRS VIVIAN SCHNER
PRINCETON WATER WORKS	MERCER	7328	9	40 13	74 40	40						PRINCETON WATER CO.
RAHWAY	UNION	7393	9	40 36	74 19	20	M10					H RAHWAY VLY. SWG. AUTH.
RINDWOOD	PASSAIC	7587	8	41 08	74 18	305	10A					NO. JERSEY WTR. SUPPLY
SHILOH	CUMBERLAND	8051	2	39 28	75 18	120	5P	5P				EVERETT DICKINSON
SOMERVELL	SOMERSET	8194	10	40 34	74 37	75	6P	6P				H W. E. HAVER
SPLIT ROCK POND	MORRIS	8402	8	40 58	74 28	800	10A					JERSEY CITY O. P. W.
SPRINGFIELD	SUSSEX	8423	1	40 43	74 18	400					C	N. J. DEPT. OF CONG.
SUSSEX	UNION	8444	9	41 13	74 37	40	7A	7A				BRICE B. STANTON
TOMS RIVER	MONMOUTH	8816	1	39 57	74 13	10	6P	6P				TOMS RIVER WATER CO.
TRENTON WB CITY	MERCER	8883	2	40 13	74 46	56	M10	M10			C HJ	U.S. WEATHER BUREAU
TUCKERTON	UNION	8899	1	39 36	74 20	10	6P	6P				REV. WALTER T. GANDEK
WACHUNG	RAYMOND DAM	9133	7	41 03	74 34	187	3A	3A				C WATER SUPPLY COM.
WACHUNG	UNION	9271	8	40 40	74 25	-						C BONNIE BURN SANITARIUM
WESTSVILLE	MUNTERDON	9363	10	40 27	74 48	160	7A	7A				ROBERT W. MANNERS
WEST WHARTON	MORRIS	9608	8	40 54	74 36	680	7A	7A				N.J. POWER + LIGHT CO.
WOODCLIFF LAKE	BERGEN	9832	4	41 01	74 03	103						HACKENSACK WATER CO.
WOODSTOWN	SALEM	9910	2	39 39	75 19	50	5P	5P				CREAM VALLEY DAIRY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-MUNSON; 6-MORRIS; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-MARTIN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table; when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

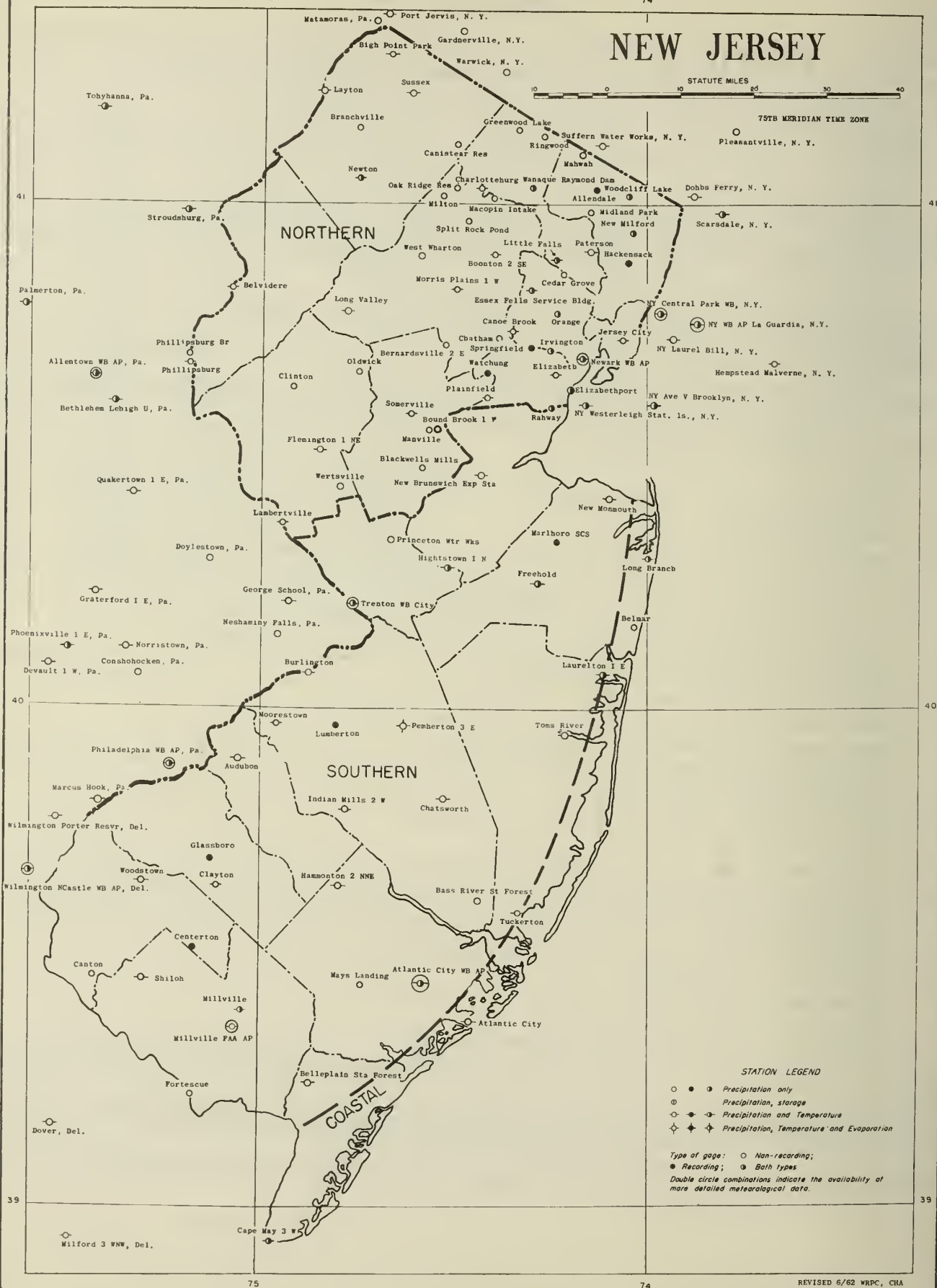
Information concerning the history of changes in locations, elevations, exposure etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NEW JERSEY

STATUTE MILES

75TH MERIDIAN TIME ZONE



U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

ANNUAL SUMMARY 1962

Volume 67 No. 13



ASHEVILLE: 1963

THE LIBRARY OF THE
OCT 16 1963
UNIVERSITY OF ILLINOIS

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

NEW JERSEY
1962

Table 1-

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
ATLANTIC CITY WB AP	33.2	- 1.6	34.1	- 0.6	40.8	- 0.3	52.2	1.2	63.2	1.9	70.6	- 0.6	72.9	- 2.2	73.2	- 0.7	64.6	- 2.6	57.1	- 0.1	43.7	- 3.0	32.3	- 4.3	53.1	- 1.0
ATLANTIC CITY	35.2	- 0.8	34.5	- 1.2	40.1	- 1.4	50.5	1.1	58.8	- 0.7	65.0	- 4.0	72.2	- 2.0	74.4	0.7	65.5	- 2.9	57.6	- 1.1	44.6	- 3.7	34.1	- 4.2	52.7	- 1.7
AUDUBON	32.9		32.3		41.6		53.5		64.5		72.0		72.9		73.0		64.3		57.2		42.9		31.0		53.2	
BELLEPLAIN STA FOREST	33.1		34.2		40.5		52.7		63.9		70.4		71.9		72.2		63.7		55.9		43.0		32.0		52.8	
BELVIERE	27.1	- 2.8	27.4	- 3.9	38.6	- 0.7	50.7	- 0.4	62.8	0.6	69.6	- 1.0	70.1	- 5.0	69.1	- 3.8	60.1	- 5.9	54.1	- 0.8	40.0	- 2.8	27.5	- 4.4	49.8	- 2.5
BOONTON 1 SE	27.4	- 1.5	26.2	- 3.3	38.0		49.9	0.9	60.0	0.9	68.4	0.5	69.2	- 3.6	68.4	- 2.4	59.9	- 3.6	52.4	- 0.9	38.9	- 3.6	28.0	- 3.5	48.9	- 1.6
BURLINGTON	33.5	- 0.7	31.3M	- 3.6	42.1	- 0.1	54.9M	1.6	65.3	1.1	74.2	1.4	74.2	- 3.0	74.4	- 1.1	65.0	- 3.8	57.8	- 0.2	42.4	- 4.2	30.3	- 5.7	53.8	- 1.5
CANOE BROOK	27.3	- 1.7	26.5	- 3.1	37.1	- 0.5	49.3	0.6	60.0	1.1	69.0	1.0	69.5	- 3.5	69.0	- 2.1	60.1	- 4.1	53.1	- 0.6	38.3	- 4.7	27.5	- 3.7	48.9	- 1.8
CAPE MAY 3 W	36.2		35.1M		41.3M		52.0		63.5		71.6M		73.8M		74.8		68.2		60.3		46.8		36.0		55.0	
CHARLOTTEBURG	25.5	- 3.1	24.2M	- 4.9	35.6	- 1.0	48.5	0.5	58.7	0.3	67.2	0.7	68.4	- 2.5	67.3	- 1.9	58.5M	- 3.9	51.4	- 0.9	37.7	- 4.3	26.3M	- 4.5	47.4	- 2.2
CHATSWORTH	32.5		32.5		39.8		51.1		63.3		70.2		71.5		71.8		63.0		55.9		42.0M		31.1M		52.1	
CLAYTON	31.4M		31.3		39.8		52.8		64.5		72.9		72.7													
ELIZABETH	30.2	- 2.6	30.6	- 2.7	41.4	0.5	52.7	0.8	63.8	1.6	71.2	0.4	72.6	- 3.2	72.2	- 1.9	64.3	- 2.9	56.8	0.1	42.7	- 3.0	30.7	- 4.0	49.3	- 1.3
ESSEX FIELDS SERV BLOC	27.4		26.9		37.9		50.2		60.5		69.3		70.4		69.5		60.3		52.6		38.7		27.5		49.5	
FLEMINGTON 1 NE	29.1	- 2.4	28.4	- 3.9	39.2	- 0.9	50.3	- 0.9	62.4	0.6	71.1	0.5	71.4	- 4.0	70.9	- 2.5	61.3	- 5.3	54.3	- 1.5	39.7	- 4.6	27.6	- 5.7	50.5	- 2.5
FREEMO	32.0	- 0.7	30.7	- 2.3	40.0	0.0	51.6	0.8	62.2	0.6	70.9	0.7	71.5	- 3.4	70.7	- 2.4	63.0	- 3.5	56.0	- 0.1	41.4	- 4.0	30.0	- 4.7	51.7	- 1.6
HAMMONTON 2 NNE	31.4	- 2.8	31.2	- 3.3	40.4	- 1.5	53.5M	1.2	63.5	0.8	71.8	0.2	72.8	- 3.3	72.4	- 1.8	63.8	- 3.9	56.2	- 1.0	42.1	- 4.6	31.1	- 6.0	52.5	- 2.2
HIGH POINT PARK	22.4		21.0		32.3		46.7M		59.3M		66.2M		67.9		65.9		57.8		50.8M		35.6		25.2		53.2	
MIGHTSTOWN 1 N	31.4	- 1.0	30.1	- 2.8	40.5	0.3	52.2	1.3	62.4	1.0	70.7	0.8	71.3	- 3.5	71.1	- 1.8	62.1	- 4.1	55.3	- 0.6	41.1	- 4.1	29.3	- 5.0	51.5	- 1.6
INDIAN MILLS 2 W	31.5	- 1.8	30.8	- 3.0	39.6	- 1.1	51.2	- 0.2	62.3	0.3	69.8	- 0.4	70.6	- 4.1	70.9	- 2.0	61.9	- 4.4	54.8	- 1.1	40.8	- 4.4	29.5	- 5.3	51.2	- 2.2
JERSEY CITY	30.8	- 1.7	30.0	- 2.7	40.4	0.6	50.7	0.2	61.6	0.4	70.4	0.3	72.3	- 3.0	72.5	- 3.3	63.1	- 3.8	55.8	- 0.9	41.4	- 4.3	30.3	- 4.5	51.4	- 1.9
LAMBERTVILLE	30.1	- 1.6	29.9	- 2.6	40.0	0.2	51.5M	0.4	63.5	1.9	71.4	1.3	72.4	- 2.4	72.3	- 0.7	62.2	- 4.0	55.6	- 0.1	40.4	- 4.0	28.7	- 5.0	51.5	- 1.4
LAYTON 3 NW	25.4	- 1.5																								
LAYTON 2	30.0																									
LITTLE FALLS	28.0	- 1.1	28.9	- 2.8	40.0	0.7	51.6	0.9	62.6	1.4	71.0	1.3	72.4	- 2.4	71.3	- 1.5	62.5	- 3.3	55.4	0.0	41.2	- 3.4	30.3	- 3.3	51.5	- 1.1
LONG BRANCH	32.3	- 0.7	31.4	- 1.6	40.3	0.5	50.4	0.8	61.0	1.2	70.1	1.0	71.3	- 3.1	70.4	- 2.3	63.3	- 2.9	55.7	- 0.5	42.3	- 3.4	31.2	- 4.1	51.7	- 1.2
LONG VALLEY			27.3M		38.1		49.1		61.0		68.7M		69.1		68.5		59.6		52.7		38.4		26.2		51.7	
MILLVILLE	31.7		32.7		41.0M		53.6		64.0M		72.1M		73.5		73.2		64.9		56.8		43.2M		31.9M		53.2	
MILLVILLE FAA AIRPORT	32.0		32.8		40.4		52.5		63.8		71.0		72.5		72.8		63.8		56.3		42.6		31.2		52.6	
MOORESTOWN	31.3	- 1.7	30.7	- 2.7	40.8	0.1	51.5	0.1	62.6	0.9	70.5	0.3	71.4	- 3.7	71.0	- 2.1	62.8	- 3.6	55.6	- 0.3	41.4	- 3.6	29.8	- 5.0	51.6	- 1.8
MORRIS PLAINS 1 W	27.4		26.7		38.0		50.2		60.7		69.4		70.3		69.5		60.5		53.4		39.7		27.7		49.4	
NEWARK WB AIRPORT	30.8	- 1.5	30.3	- 2.4	42.0	1.5	52.5	1.2	64.3	2.3	72.5	1.2	73.9	- 2.4	72.9	- 1.5	64.7	- 2.6	57.3	0.7	43.5	- 1.9	31.1	- 3.6	53.0	- 0.7
NEW BRUNSWICK EXP STA	30.7	- 1.6	29.9	- 2.9	39.8	- 0.4	51.8	0.7	62.4	0.8	70.6	0.5	72.6	- 2.4	71.8	- 1.4	63.1	- 3.4	56.2	0.1	42.3	- 3.0	30.3	- 3.9	51.8	- 1.4
NEW MONMOUTH	32.7		30.8		40.8		52.6		62.8		71.0		71.9		71.4		63.7		56.5		42.2		31.0		52.3	
NEWTON	24.8	- 2.7	23.6	- 4.5	35.9	- 0.5	48.6	0.3	59.9	0.9	68.0	0.6	68.6	- 3.6	68.2	- 1.9	58.3	- 4.7	50.9	- 1.6	36.8	- 4.4	24.9	- 4.8	47.4	- 2.2
PATERSON	30.8	- 0.8	28.7	- 3.4	40.7	1.2	52.7	1.6	63.2	1.3	72.4	1.7	73.5M	- 2.2	71.9	- 1.7	63.2	- 3.2	56.2	0.1	42.4	- 2.7	31.7	- 2.4	52.3	- 0.9
PEMBERTON 3 E	32.2	- 1.7	31.5	- 2.8	39.9	- 1.7	52.0	- 0.3	62.5	- 0.2	70.4	- 0.6	71.0	- 4.5	71.1	- 2.7	62.7	- 4.7	55.9	- 0.9	41.8	- 4.5	29.9	- 5.7	51.8	- 2.5
PHILLIPSBURG	29.6	- 0.9	29.8	- 1.6	40.4	1.2	52.6	1.9	64.3	2.9	71.6	1.6	73.1	- 1.2	71.7	- 0.7	62.0	- 3.5	56.0	1.5	42.2	- 1.2	30.3	- 2.4	52.0	- 0.2
PLAINFIELD	31.0	- 0.9	30.2	- 2.3	40.7	0.8	51.6	0.7	62.5	1.3	71.1	1.2	72.0	- 2.9	71.2	- 1.9	62.7	- 3.5	55.5	- 0.4	41.8	- 3.0	29.8	- 4.2	51.7	- 1.2
SHILOH	33.4	- 0.9	32.5M	- 2.4	41.2	- 1.0	53.3M	0.6	65.1	2.1	72.2	0.5	73.2	- 3.2	73.6	- 1.0	64.8	- 3.2	57.4	0.1	43.6	- 2.7	31.1	- 5.0	53.5	- 1.3
SOMERVILLE	28.7	- 2.6	28.8	- 3.2	39.4	- 0.1	50.0M	- 0.6	62.4	1.3	70.7	0.9	72.0	- 2.6	70.9	- 1.9	61.9	- 4.1	54.7	- 0.6	40.6	- 3.3	28.6M	- 4.5	50.7	- 1.8
SUSSEX	24.5	- 3.2	22.6M	- 6.3	35.7	- 1.3	48.6	- 0.5	59.6M	- 0.3	67.3	- 1.2	67.9	- 5.0	67.7M	- 3.1	58.6	- 4.9	51.9	- 1.3	44.6M	- 2.6	25.0M	- 5.2	47.9	- 2.4
TOMS RIVER	33.1		32.4		40.4		51.2		62.4		70.4		71.3		71.4		63.3		55.5		42.2		31.3		52.1	
TRENTON WB CITY	31.6	- 1.5	31.0	- 2.4	41.4	0.7	52.9	1.2	63.8	1.5	71.9	0.9	73.0	- 3.0	72.5	- 1.4	63.5	- 3.6	56.9	0.1	42.9	- 2.9	30.5	- 4.7	52.7	- 1.2
TUCKERTON	33.1		33.2		40.1		51.2		62.6		69.7		72.2		71.0		63.6		55.9		43.3		32.3		52.3	
WOODSTOWN	32.4M		31.0		41.0		53.3		65.4M		72.1M		73.3		73.3		63.5		56.9		42.6M		30.4		52.9	
DIVISIONAL AVERAGES																										
NORTHERN	28.0	- 2.2	27.4	- 3.5	38.6	0.0	50.4	0.4	61.6	1.1	69.8	0.6	70.6	- 3.4	70.1	- 2.0	61.0	- 4.0	54.0	- 0.5	39.9	- 3.6	27.9	- 4.5	49.9	- 1.8
SOUTHERN	32.2	- 1.2	31.8	- 1.9	40.6	- 0.3	52.5	1.1	63.5	1.4	71.2	0.5	72.3	- 3.1	72.1	- 1.5	63.6	- 3.4	56.3	- 0.2	42.4	- 3.3	30.8	- 4.5	52.4	- 1.4
COASTAL	34.6	0.1	33.7	- 0.6	40.6	0.1	51.0	1.0	61.1	1.1	68.9	- 0.5	72.4	- 2.2	73.2	- 0.4	65.7	- 2.1	57.9	- 0.1	44.6	- 2.8	33.8	- 3.2	53.1	- 0.8

A narrative Special Weather Summary appeared in all but the April, July, and October issues of this publication for 1962.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

NEW JERSEY
1962

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
ATLANTIC CITY WB AP	4.21	.65	3.47	.34	5.42	1.51	3.50	.09	1.77	1.74	4.20	1.37	1.72	2.00	5.29	.39	3.09	.22	2.04	1.16	4.88	1.22	3.84	.62	43.43	1.07
ATLANTIC CITY	4.83	1.08	3.25	.13	4.56	.55	3.92	.54	1.49	1.67	4.28	1.24	2.81	1.05	4.37	.77	2.96	.44	2.38	1.01	4.46	.67	2.79	.69	42.10	1.68
AUDUBON	2.52		3.83		4.40		4.10		2.18		9.49		4.20		13.52		3.75		1.74		5.42		2.22		57.37	
BASS RIVER ST FOREST	E4.76		3.59		5.22		3.38		1.77		3.18		3.92		9.02		3.91		3.14		5.35		3.09		E50.33	
BELLEPLAIN STA FOREST	3.98	.51	E3.16	.02	3.22	1.20	3.63	.16	1.94	1.89	3.78	.39	2.96	1.88	.98	4.77	3.05	.81	1.32	2.37	5.06	1.03	5.07	1.42	E38.15	9.43
BELMAR 2 SW	-		-		-		-		-		-		3.99		4.78		2.10		2.29		5.60		2.10		39.32	
BELVIORE	2.85	.78	4.77	1.65	2.50	1.58	3.57	.57	1.08	2.95	3.78	.66	2.95	2.35	4.23	.76	3.88	.01	3.44	.02	3.78	.08	2.49	1.17	39.32	9.22
BERNARDSVILLE 2 E	2.12		4.20		4.37		5.01		1.87		2.72		3.29		6.70		4.39		2.95		4.89		2.95		45.46	
BLACKWELLS MILLS	2.94		3.38		2.80		5.86		1.52		3.87		3.22		5.23		4.33		1.69		5.12		2.07		61.63	
BOONTON 1 SE	2.79	.45	3.98	1.25	3.03	.83	4.58	.72	1.44	2.72	2.88	1.01	2.11	2.13	5.14	.21	3.45	.90	3.69	.29	4.30	.28	2.72	.70	40.11	5.99
BOUNO BROOK 2 W	2.57		4.70		3.05		4.87		2.19		2.56		2.38		6.04		E3.82		1.59		4.68		1.74		E40.19	
BRANCHVILLE	3.02		3.76		2.34		2.77		2.64		2.72		2.59		4.27		2.74		3.07		3.06		2.58		33.56	
BURLINGTON	E2.53	.74	E4.36	1.46	3.39	.95	2.87	.57	2.65	1.11	4.63	.98	3.68	.56	9.23	4.39	3.65	.00	1.96	1.39	5.74	2.08	E2.56	.50	E47.25	3.09
CANISTEAR RESERVOIR	3.01		4.28		2.25		3.65		.93		3.42		1.95		3.74		2.90		3.93		4.27		3.16		37.49	
CANOE BROOK	2.60	1.06	4.34	1.38	4.21	.09	5.20	1.18	1.38	2.77	3.04	.99	2.15	2.40	5.79	.56	3.94	.38	3.50	.09	4.44	.34	2.73	.92	43.32	5.06
CANTON	1.73		4.56		3.59		3.58		1.68		4.43		2.85		1.80		3.74		1.16		5.70		3.15		37.97	
CAPE MAY 3 W	3.45		3.73		3.51		2.67		1.82		4.24		3.94		1.17		3.06		1.58		5.31		3.99		38.47	
CEAR GROVE	2.55		4.39		3.96		4.48		1.06		4.85		2.09		4.97		3.75		5.40		5.07		2.75		47.88	
CHARLOTTEBURG	3.19	.48	4.60	1.43	3.12	1.35	4.35	.14	2.20	1.95	3.07	1.17	1.44	3.29	4.71	.25	3.75	.66	5.32	1.48	4.70	.21	3.11	1.01	43.56	6.90
CHATHAM	2.13	1.59	4.22	1.05	4.12	.30	5.28	1.16	1.55	2.62	E3.22	.79	1.85	2.73	5.79	.54	3.89	.50	3.36	.01	4.36	.17	2.49	1.47	E62.26	7.09
CHATSWORTH	2.95		4.58		3.60		3.37		1.60		5.23		5.01		9.20		3.42		1.88		4.26		2.68		47.78	
CLAYTON	1.94		4.72		4.05		3.15		1.88		2.61		2.40													
CLINTON	2.75		4.28		2.83		4.18		2.02		2.58		E2.33		E5.72		4.50		2.72		2.32		2.88		E39.41	
ELIZABETH	2.93	1.04	4.77	1.49	3.68	.81	3.65	.30	1.81	2.25	4.11	.35	3.00	1.51	4.24	.73	3.42	.92	3.04	.49	4.97	1.09	2.96	.64	42.58	5.76
ELIZABETHPORT	2.77		4.37		3.46		3.33		2.00		3.58		2.81		4.81		3.63		3.08		4.61		2.62		41.07	
ESSEX FIELDS SERV BLOC	2.95		3.72		3.81		4.53		1.20		3.92		1.37		5.85		3.85		4.24		4.55		3.08		43.07	
FLEXINGTON 1 NE	2.81	.51	5.21	2.43	2.95	1.04	5.15	1.35	1.38	2.63	4.75	.95	2.62	1.90	4.84	.18	3.86	.03	2.43	.89	4.86	1.12	3.35	.47	43.91	1.40
FORTESQUE	3.55		3.31		3.38		4.97		1.28		2.75		2.15		2.83		3.13		1.02		5.25		3.32		36.94	
FREENHOL	2.70	.88	E3.67	.53	3.89	.35	3.81	.23	1.61	2.62	4.99	1.31	1.76	2.48	6.95	2.19	3.70	.08	2.23	1.36	3.70	.26	E2.13	1.32	E40.94	5.09
GREENWOOD LAKE	3.19		4.80		2.35		4.41		1.72		2.77		2.59		4.54		3.38		6.76		4.69		3.29		44.49	
HAMMONTON 2 NNE	3.11	.46	E3.44	.19	3.21	1.05	3.94	.34	1.74	2.18	4.01	.06	3.21	1.35	4.12	1.52	3.81	.04	1.38	2.31	4.68	.94	3.13	.60	E39.78	7.90
HIGH POINT PARK	2.56		2.66		1.55		E2.81		.86		E2.84		2.78		4.38		3.16		3.98		3.66		1.93		E33.17	
HIGHTSTOWN 1 N	2.74	.48	4.35	1.62	3.08	.74	4.22	.84	1.47	2.25	4.26	.43	2.35	2.11	4.39	.13	4.45	.46	2.05	1.27	5.35	1.96	1.90	1.13	40.61	2.80
IRVINGTON HILLS 2 W	2.51	1.11	3.84	.73	4.06	.19	3.61	.19	1.78	2.10	6.43	2.53	3.56	.71	8.84	3.38	3.46	.14	1.92	1.49	5.42	1.71	3.17	.06	48.63	2.74
IRVINGTON	2.52		4.06		3.64		3.66		1.37		2.07		2.37		4.65		3.19		3.02		4.43		2.86		37.64	
JERSEY CITY	2.75	.62	3.43	.53	3.76	.27	2.89	.70	1.47	2.28	4.41	.96	2.29	1.88	7.68	3.06	3.02	.79	3.23	.05	4.30	.88	2.41	.88	41.64	1.94
LAMBERTVILLE	2.43	.91	4.16	1.44	2.89	1.17	4.47	.83	2.46	1.62	2.36	1.48	2.17	2.34	6.11	.97	3.16	.13	1.56	1.44	4.82	1.11	E2.68	.70	E39.27	5.44
LAYTON 3 NW	3.23	.36	-		-		-		.70		3.06		2.89		4.54		3.71		4.08		3.13		2.88		-	
LAYTON 2	2.69	.96	4.23	1.16	3.76	.54	5.02	.76	.98	3.35	4.00	.25	1.96	2.58	5.62	.53	3.47	1.08	5.58	1.88	4.90	.62	3.03	.87	45.24	4.68
LONG BRANCH	3.10	.68	4.94	1.40	4.49	.12	3.31	.32	1.06	2.43	4.70	1.29	2.40	1.85	7.46	2.21	4.49	.57	2.17	1.54	6.06	2.25	2.72	.91	46.90	.11
LONG VALLEY	E2.63	.91	4.10	1.08	3.21	1.07	4.75	.78	1.95	2.21	E4.00	.13	3.61	1.59	6.21	1.15	3.80	.12	3.91	.34	4.46	.21	2.31	1.48	E44.95	3.95
MAHWAH	3.21		4.90		2.47		5.08		1.55		4.02		2.92		5.65		3.10		6.13		4.19		2.89		46.11	
MANVILLE	E2.59		E3.72		2.24		4.67		1.70		3.18		2.60		6.39		3.47		1.82		3.38		E.81		E36.57	
MAYS LANDING	4.39		3.75		4.15		3.41		1.31		3.33		2.85		3.92		3.03		1.90		6.05		4.01		42.10	
MIDLAND PARK	2.85		4.36		3.55		4.64		1.12		4.22		2.24		8.02		3.77		5.88		3.03		2.87		46.55	
MILLVILLE	2.89		3.38		4.31		3.53		1.65		3.72		2.68		3.76		2.86		.84		4.71		3.01		37.34	
MILLVILLE FAA AIRPORT	2.98		3.21		4.59		3.64		1.74		3.93		3.13		3.18		2.91		.95		5.47		3.12		38.85	
MILTON	E3.33		4.08		1.64		3.93																			

TEMPERATURE EXTREMES AND FREEZE DATA

NEW JERSEY
1962

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.					
ATLANTIC CITY W8 AP	96	5-19	4	12-31+	3-4	12	3-4	12	3-19	24	4-17	28	4-17	28	10-25	30	11-5	28	11-7	23	12-11	16	12-11	16	282	282	233	202	191
ATLANTIC CITY	86	7-13	8	12-31	2-11	14	3-4	20	3-4	20	3-4	20	3-18	32	11-5	32	11-7	27	12-10	24	12-12	17	12-13	15	305	283	281	248	232
AUDUBON	96	5-19	2	2-11	3-3	13	3-5	20	3-9	23	4-4	25	4-4	25	10-25	30	10-30	28	11-7	24	12-10	20	12-12	11	284	280	243	209	204
BELLEPLAIN STA FOREST	97	5-20+	1	12-15	3-5	15	4-4	19	4-17	24	5-10	27	5-12	30	9-21	30	10-25	22	10-25	22	11-7	18	12-12	13	282	217	191	168	132
BELVIERE	97	5-19	-7	2-11	3-4	10	3-9	18	4-4	21	4-17	26	5-10	31	10-25	24	10-25	24	10-25	24	11-7	18	12-11	9	282	243	204	191	168
BOONTON 1 SE	95	5-20	-4	2-11	3-5	16	3-5	16	4-4	24	4-18	28	4-20	31	10-25	23	10-25	23	10-25	23	11-7	18	12-8	11	278	247	204	190	188
BURLINGTON	97	6-19+	1	2-11	3-4	16	3-4	16	4-4	28	4-4	28	4-4	28	10-26	30	11-4	28	12-10	17	12-10	17	12-11	16	282	281	281	214	205
CANOE BROOK	97	5-20	-8	2-11	3-4	13	4-4	19	4-4	19	5-10	27	5-11	32	10-18	32	10-25	22	10-25	22	11-7	18	12-11	12	282	217	204	168	160
CAPE MAY 3 W	90	8-21+	6	12-31	3-2	15	3-3	18	3-4	21	3-7	27	4-4	32	11-7	29	12-10	25	12-12	20	12-12	20	12-31	6	304	284	283	278	217
CHARLOTTEBURG	94	7-9+	-6	12-31	4-4	16	4-4	16	4-4	16	4-18	25	4-20	30	9-21	32	10-25	24	10-25	24	12-10	18	12-11	14	251	250	204	190	154
CHATSWORTH	97	5-19	-1	2-11	3-4	10	4-4	20	4-4	20	4-25	28	5-12	32	10-25	22	10-25	22	10-25	22	11-7	18	12-10	16	281	217	204	183	166
CLAYTON	-	-	-	-	3-4	11	3-4	11	3-4	11	4-4	28	4-16	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELIZABETH	97	5-19	-1	2-11	3-4	13	3-4	13	3-4	13	4-4	26	4-18	31	10-25	28	10-25	28	11-7	24	12-11	14	12-11	14	282	282	248	204	190
ESSEX FELS SERV BLOG	98	5-20	-1	12-31	3-5	16	3-5	16	4-4	22	4-18	28	4-21	32	10-25	24	10-25	24	10-25	24	11-7	20	12-11	13	281	247	204	190	187
FLEMINGTON 1 NE	98	5-19	-8	2-11	3-4	12	4-4	18	4-4	18	4-18	27	5-12	31	9-21	32	10-25	24	10-25	24	10-25	24	10-25	24	282	204	204	190	132
FREEHOLD	95	5-19	-2	12-31+	3-4	10	3-4	10	3-9	23	4-17	27	4-17	27	10-25	28	10-25	28	11-7	24	12-10	18	12-11	16	282	281	243	191	191
HAMMONTON 2 NNE	96	8-21+	-1	2-11	3-4	13	3-4	13	3-10	26	4-17	28	4-18	32	10-25	28	10-25	28	12-10	19	12-10	19	12-11	16	282	281	275	191	191
HIGH POINT PARK	94	5-20	-15	2-11	3-5	8	4-17	20	4-17	20	4-18	25	5-9	31	9-21	32	10-25	23	10-25	23	11-5	19	12-10	14	280	202	191	190	135
HIGHTSTOWN 1 N	96	5-19	-6	2-11	3-4	12	3-4	12	4-4	24	4-17	28	4-18	31	10-25	26	10-25	26	10-30	24	12-10	19	12-12	9	283	281	209	191	190
INDIAN MILLS 2 W	96	5-19	-1	2-11	3-4	6	4-4	18	4-17	26	4-17	24	5-12	31	9-21	32	10-25	24	10-25	24	11-7	18	12-11	14	282	217	191	191	132
JERSEY CITY	95	5-19	0	2-11	3-4	14	3-4	14	3-4	14	3-5	28	4-17	31	11-7	30	11-19	26	12-10	22	12-11	17	12-12	16	283	282	281	259	204
LAMBERTVILLE	97	5-19	-4	2-11	3-4	12	3-9	20	4-4	22	4-17	27	5-10	30	10-25	25	10-25	25	10-30	24	11-7	20	12-11	16	282	243	209	191	168
LAYTON 3 NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAYTON 2	97	7-8	-	-	-	-	-	-	-	-	5-10	25	5-10	25	9-21	32	10-25	22	10-25	22	11-7	17	11-26	16	-	-	-	168	134
LITTLE FALLS	101	5-20	-4	2-11	3-4	14	3-5	20	4-4	24	4-4	24	4-18	30	10-25	26	10-25	26	11-7	22	12-11	15	12-11	15	282	281	217	204	190
LONG BRANCH	95	7-7	2	12-31	3-4	15	3-4	15	3-4	15	4-4	28	4-18	32	10-25	29	11-7	25	12-10	20	12-10	20	12-11	16	282	281	281	217	190
LONG VALLEY	96	5-19	-6	2-11	3-4	13	4-4	17	4-4	17	4-20	28	5-10	30	9-21	31	10-25	20	10-25	20	11-7	16	12-11	16	248	204	204	188	134
MILLVILLE	95	8-21+	3	12-31+	3-4	16	3-5	20	4-4	24	4-17	28	4-17	30	10-25	32	11-7	24	12-11	16	12-11	16	12-11	16	282	281	247	217	191
MILLVILLE FAA AIRPORT	96	8-20	2	2-11	3-4	10	3-5	20	4-4	24	4-17	28	5-10	32	10-25	27	10-25	27	11-7	19	11-7	19	12-12	14	283	247	217	191	168
MOORESTOWN	95	5-19	0	2-11	3-4	14	3-4	14	4-4	23	4-4	23	4-17	30	10-25	28	10-25	28	11-7	21	12-10	20	12-12	14	283	281	217	204	191
MORRIS PLAINS 1 W	98	5-20	-4	2-11	3-4	11	4-4	20	4-4	20	4-18	28	4-20	29	9-22	31	10-25	22	10-25	22	11-7	19	12-11	14	282	217	204	190	155
NEWARK W8 AIRPORT	98	5-19+	2	12-31+	3-4	15	3-4	15	3-4	15	3-5	27	4-4	32	10-27	32	12-10	22	12-10	22	12-11	17	12-12	16	283	282	281	280	206
NEW BRUNSWICK EXP STA	96	5-19	-2	2-11	3-4	12	3-4	12	3-9	23	4-17	27	4-18	30	10-25	28	10-25	28	11-7	23	12-10	20	12-11	15	282	281	243	191	190
NEW MONMOUTH	94	5-19	1	12-31	3-4	15	3-4	15	3-9	24	4-17	28	4-18	30	10-25	28	10-25	28	12-10	19	12-10	19	12-11	16	282	281	276	191	190
NEWTON	97	7-9	-14	2-11	3-9	13	4-4	17	4-4	17	5-10	27	5-12	32	9-21	30	10-25	20	10-25	20	10-25	20	12-11	11	277	204	204	168	132
PATERSON	97	7-9+	1	12-31	3-4	14	3-5	18	3-5	18	3-9	25	4-17	30	10-25	31	11-7	25	NONE	NONE	NONE	NONE	NONE	NONE	-	-	-	243	191
PEMBERTON 3 E	95	5-19	-1	2-11	3-4	10	3-19	20	3-24	24	4-18	28	5-10	29	10-25	24	10-25	24	10-25	24	11-7	19	12-11	15	282	233	215	190	168
PHILLIPSBURG	98	5-20+	-9	12-31	3-4	12	3-4	12	4-4	22	4-17	28	5-11	31	10-25	25	10-25	25	11-7	22	12-10	19	12-11	15	282	281	217	191	167
PLAINFIELD	98	5-20	0	2-11	3-4	14	3-4	14	4-4	23	4-17	28	4-18	29	10-25	26	10-25	26	11-7	21	12-11	14	12-11	14	282	282	217	191	190
SHILOH	97	8-19	-2	2-11	3-4	14	3-4	14	3-5	21	3-19	28	4-17	29	10-25	27	10-25	27	12-10	21	12-11	17	12-12	12	283	282	280	220	191
SOMERVILLE	99	5-19	-4	2-11	3-4	10	4-4	20	4-17	23	4-18	28	4-21	30	10-25	22	10-25	22	10-25	22	11-7	18	12-11	13	282	217	191	190	187
SUSSEX	94	7-9+	-15	2-11	3-10	14	4-5	19	4-5	19	4-20	27	4-21	31	10-25	23	10-25	23	10-25	23	12-1	20	12-11	10	276	240	203	188	187
TOMS RIVER	96	5-19	0	12-31+	3-4	9	4-4	20	4-4	20	5-10	28	5-10	28	10-19	32	10-25	24	10-25	24	11-7	19	12-11	13	282	217	204	168	162
TRENTON W8 CITY	96	5-19	0	2-11	3-4	15	3-4	15	3-4	15	3-4	15	4-17	32	10-25	32	12-9	27	12-10	20	12-10	20	12-12	14	283	281	281	280	191
TUCKERTON	95	5-19	1	2-11	3-4	10	4-4	20	4-4	20	4-18	28	4-19	30	10-25	26	10-25	26	11-7	20	11-7	20	12-11	15	282	217	217	190	189
WOODSTOWN	96	5-19+	0	2-11	3-4	14	3-5	19	4-4	23	4-4	23	4-21	32	10-25	25	10-25	25	11-7	20	11-7	20	12-12	13	283	247	217	204	187

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

SOIL TEMPERATURES

NEW JERSEY
1962

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes
NEW BRUNSWICK EXP STA																										
PLOT # 1																										
1 INCH	32.0	42/29	30.3	34/27	37.1	57/28	50.5	70/39	62.7	76/51	72.5	83/62	73.7	83/65	75.1	88/65	68.3	83/56	59.3	69/45	44.2	52/38	35.4	45/29	53.4	88/27
2 INCHES	32.0	41/29	30.3	34/28	36.8	56/28	50.2	69/39	62.3	75/50	71.8	81/62	72.9	81/66	74.4	86/65	68.1	82/56	59.0	68/45	44.1	53/38	35.6	45/29	53.1	86/28
4 INCHES	33.3	40/30	31.7	35/29	36.7	52/28	49.1	62/41	60.9	72/51	70.2	80/62	71.8	77/66	73.1	80/65	67.7	79/58	59.1	66/48	44.6	52/39	36.5	47/32	52.9	80/28
8 INCHES	34.2	40/32	31.9	35/31	36.7	51/29	48.7	59/43	59.6	69/52	69/5	73/64	70.7	74/67	72.3	76/68	67.8	77/61	59.7	65/50	45.7	53/41	37/9	46/34	52.9	77/29
16 INCHES	36.4	40/34	33.3	36/32	36.7	47/30	47.6	55/44	57.4	64/52	66.6	70/64	69.1	70/67	69.9	74/69	67.9	74/63	60.8	65/53	48.2	54/44	40.6	50/37	52.9	74/30
32 INCHES	39.1	42/37	35.4	38/34	37.3	44/32	46.6	51/44	54.8	60/51	62.9	66/60	66.3	68/65	68.9	70/66	67.7	71/64	61.9	64/56	50.9	56/47	43.7	52/40	53.0	71/32
PLOT # 2																										
1 INCH	30.3	44/20	29.6	37/24	39.1	66/21	52.3	88/35	67.9	98/43	77.2	99/60	78.7	102/60	78.0	99/59	67.2	93/46	57.5	74/35	40.9	57/32	33.0	48/16	54.3	102/16
2 INCHES	30.4	44/21	29.6	36/24	38.7	65/23	52.1	86/35	67.6	96/43	76.9	98/60	78.4	100/60	77.0	97/59	67.1	91/47	57.3	74/36	40.6	56/32	33.5	47/18	54.1	100/18
4 INCHES	30.9	42/26	29.6	34/27	38.6	62/27	51.6	80/33	66.3	91/45	75.9	93/61	77.2	95/62	75.9	93/61	67.1	88/50	57.5	72.38	41.4	55/33	34.0	45/22	53.8	95/22
8 INCHES	32.1	40/30	30.5	34/28	37.5	55/28	50.5	70/39	64.2	81/50	73.7	84/64	76.4	85/66	74.5	83/64	67.0	81/55	57.9	68/42	42.5	52/37	35.5	45/28	53.5	85/28

Monthly averages are obtained by taking the average of max and min values.

Plot # 1 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Kentucky bluegrass. Instrumentation: Copper-constantan thermocouples connected to a Brown Elektronik Potentiometer.

Plot # 2 - Slope of Ground: Flat. Soil Type: Loam. Ground Cover: Barren. Instrumentation: Brown recording Potentiometer with copper-constantan thermocouples.

CHANGES IN STATION NAMES

NEW NAME

BELMAR 2 SW
BOONTON 1 SE

FORMER NAME

BELMAR
BOONTON 2 SE

DATE - 1962

June 15
October 17

RELOCATION AND CHANGES OF EQUIPMENT

BELMAR 2 SW
BOUND BROOK 2 W
CLINTON
ESSEX FIELDS SERV HLDG
FLEMINGTON 1 NE

Equipment moved 2.2 miles SW
Equipment moved 1600 feet NW
Equipment moved 0.9 mile W
Equipment moved 35 feet E
Equipment moved 300 feet NW

June 15
October 16
October 16
July 30

April 1953

STATION INDEX

NEW JERSEY
1962

Station	Index No.	County	Drainage ⁺	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	Station	Index No.	County	Drainage ⁺	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	
							Temp.	Precip.	Month opened	Month closed									Temp.	Precip.	Month opened	Month closed		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270						MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10	18				2	
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58		5	4		1 2 3 C	MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	16				1 2 3 C	
PATLANTIC CITY	0252	ATLANTIC	1	39 23	74 26	10	89	89			1 2 3	MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	40	6	22			1 2 3 C	
AQUON	0346	CAMDEN	2	39 54	75 04	50	10	13			1 2 3	MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	13	13			1 2 3	
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20	16				1 2 3	MILTON	5597	MORRIS	8	41 01	74 32	950	22				1 2 3	
BELLEPLAIN STA FOREST	0560	CAPE MAY	2	39 15	74 52	30	68	68			1 2 3	MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	99				1 2 3	
BELMAR 2 SW	0721	MONMOUTH	1	40 09	74 04	40	19				1 2 3	MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	17	21			1 2 3	
BELVIDERE	0729	WARREN	2	40 50	75 05	275	70	70			1 2 3	NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	63	108			1 2 3 C	
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240	4				2	NEW BRUNSWICK EXP STA	6062	HIDDLESEX	10	40 28	74 24	86	105	108			1 2 3 C	
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27	6				2	NEW MILFORD	6146	BERGEN	4	40 57	74 02	12	44				2 C	
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280	54	72			1 2 3	NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	2	2			1 2 3	
BOUND BROOK 2 W	0927	SOMERSET	10	40 33	74 34	50	6				2	NEWTON	6177	SUSSEX	2	41 03	74 45	565	79	79			1 2 3 C	
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580	61				2	OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870	22				1 2 3	
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	50	76			1 2 3	ORANGE	6544	HUNTERDON	10	40 40	74 45	260	6				2 C	
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040	22				1 2 3	PATERSON	6560	ESSEX	14	40 47	74 16	160	22				1 2 3	
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	32	32			1 2 34	CLOWCK	6775	PASSAIC	8	40 54	74 09	100	92	91			1 2 3	
CANTON	1343	SALEM	2	39 28	75 25	20	16				1 2 3 C	PERMERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	32	32	2		1 2 34	
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	37	74			2	PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	71	79			1 2 3	
CEAR GROVE	1472	ESSEX	8	40 52	74 13	400	22				2	PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196	23				1 2 3	
CENTERTON	1512	SALEM	6	39 31	75 10	80					C	PLAINFIELD	7079	UNION	10	40 36	74 25	120	71	74			1 2 3	
CHARLOTTEBURG	1582	PASSAIC	8	41 02	74 26	760	70	70			1 2 3	PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60	14				2	
CHATHAM	1590	MORRIS	8	40 44	74 23	185	58				2	RAHWAY	7393	UNION	9	40 36	74 15	20	23				2 C	
CHATSORTH	1598	BURLINGTON	1	39 49	74 52	100	18				1 2 3	RIDGEWOOD	7587	PASSAIC	8	41 08	74 16	305	22				2	
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	49	69			1 2 3	SPRINGFIELD	8051	CUMBERLAND	2	39 28	75 18	120	5	5			1 2 3	
CLINTON	1749	HUNTERDON	10	40 38	74 54	280	19				2	SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	76	76	79		1 2 3	
ELIZABETH	2444	UNION	1	40 40	74 14	40	83				1 2 3	SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800	22				1 2 3	
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	23				2 C	SPRINGFIELD	8423	UNION	1	40 43	74 18						2 C	
ESSEX FIELDS SERV BLOG	2768	ESSEX	8	40 50	74 17	340	14	14			1 2 3 C	SUSSEX	8644	SUSSEX	5	41 13	74 37	440	64	67			1 2 3	
FLEMINGTON 1 NE	3029	HUNTERDON	10	40 31	74 51	140	65	76			1 2 3	TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	3	41			1 2 3	
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5	16				2	ATRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	90	90			1 2 3 C	
FREEMOHL	3181	MONMOUTH	10	40 15	74 17	194	58	58			1 2 3 C	TUCKERTON	8899	OCEAN	1	39 36	74 20	10	62	67			1 2 3	
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					2	WANAQUE RAYMOND OAM	9187	PASSAIC	8	41 03	74 18	320	22				2 C	
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660	22				1 2 C	WATCHUNG	9271	UNION	8	40 48	74 25						2	
HACKENSACK	3572	BERGEN	4	40 53	74 03	10	48	59			1 2 3	WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	4				2 C	
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	30	56			1 2 3	WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103	44				2 C	
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	6	6			1 2 3	WOODSTOWN	9910	SALEM	2	39 39	75 19	50	14	24			1 2 3	
HIGHTSTOWN 1 W	3951	MERCER	10	40 17	74 31	100	66	69			1 2 3 C	STATIONS CLOSED 1962												
INDIAN MILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	72	73			1 2 3	GREAT MEADOWS 4 N	3416	WARREN	2	40 56	74 55	540					MAR JAN FEB	
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	23				2	LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20					1 2 3 C	
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135	64	64			1 2 3	LAYTON 3 NW	4735	SUSSEX	2	41 15	74 51	480					2	
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	75	75			1 2 3	TRANQUILITY 2 W	8858	WARREN	2	40 57	74 50	551					OCT/NOV	
LAYTON	4736	SUSSEX	2	41 15	74 52	390			APR		1 2 3													
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	48	59			1 2 3 C													
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	54	54			1 2 3													
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	32	32			1 2 3													
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25					C													
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584	22				2													
MANHAW	5104	BERGEN	8	41 06	74 10	253	6				2													
MANVILLE	5197	SOMERSET	10	40 33	74 34	50	22				2													
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C													

1-COASTAL; 2-OCEAN; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at the Weather Bureau Office, c/o General Delivery, Trenton, New Jersey, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Climatological divisions, outlined on the maps in this bulletin became effective with data for September 1958.

Normals for all stations are climatological normals based on the period 1931 - 1960.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record.

* Also earlier date (dates) or months.

* Amount included in following measurement.

Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on

B Adjusted to a full month.

C Data for recorder stations denoted by "C" in the "Refer to tables" column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder - only stations may be found in the annual issue of "Hourly Precipitation Data".

G Amount is wholly or partially estimated.

H In the "Refer to tables" column of the Station Index the letter "G" indicates that soil temperatures are published.

M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.

T Trace, an amount too small to measure.

V Includes total for previous month. V in annual column means total is for a two-year period.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, O. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks, and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMW-WB-ASHEVILLE---10-10-63---925

NEW JERSEY

STATUTE MILES

75°E MERIDIAN TIME ZONE

NORTHERN

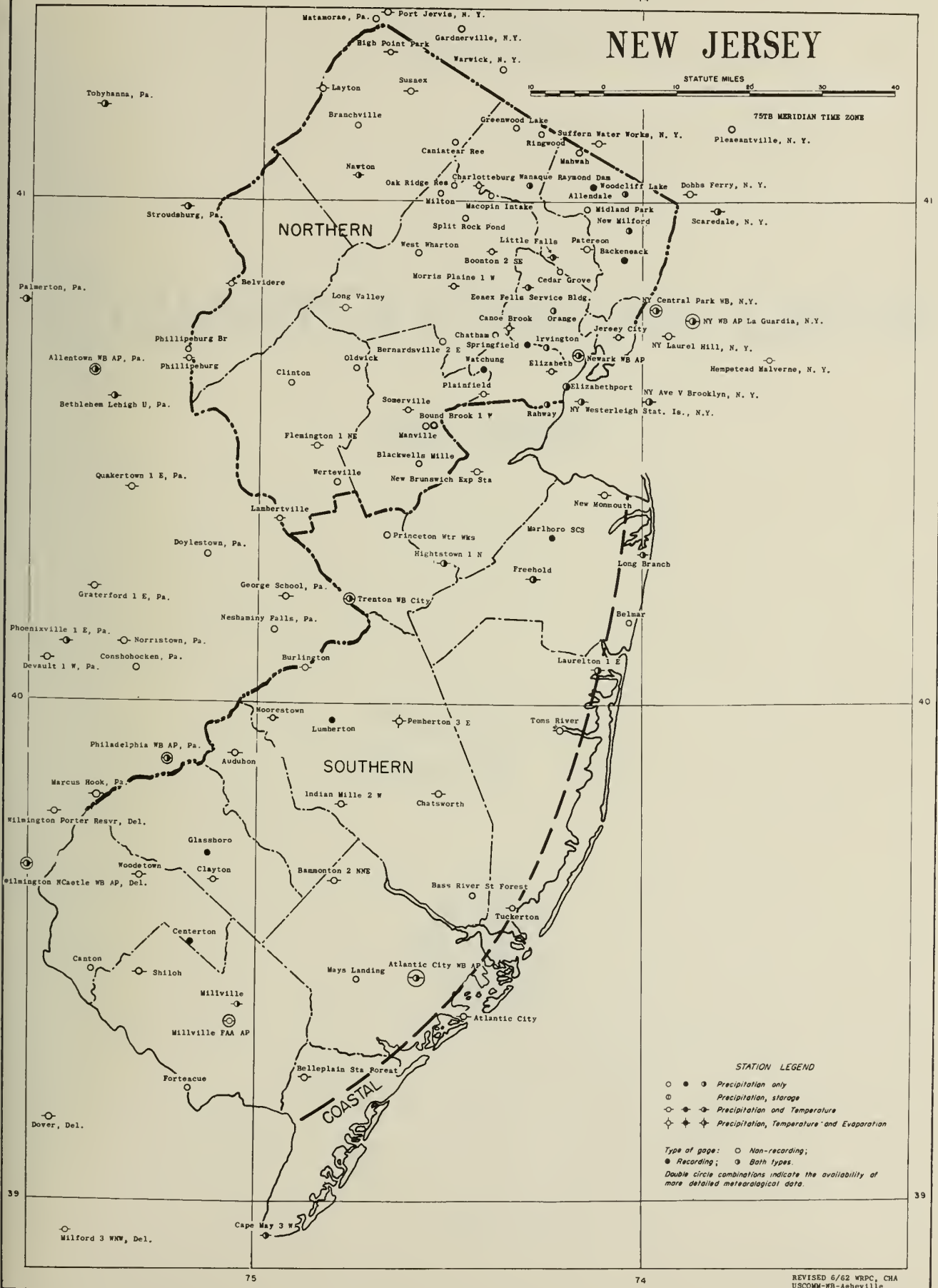
SOUTHERN

COASTAL

STATION LEGEND

○ ● ● Precipitation only
 ○ Precipitation, storage
 ○ — — Precipitation and Temperature
 ☆ — — Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;
 ● Recording; ○ Bath types.
 Double circle combinations indicate the availability of
 more detailed meteorological data.



UNIT
U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

JANUARY 1963
Volume 68 No. 1



CLIMATOLOGICAL DATA

NEW JERSEY
JANUARY 1963

Station		Temperature											Precipitation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days						Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
											Max. Min.										Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
											99° or Above	32° or Above	32° or Below	31° or Below	0° or Below	0° or Below																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NORTHERN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

1962 ANNUAL

The 1962 Annual issue of this bulletin for this section will be published a few months later than usual this year.

DAILY PRECIPITATION

NEW JERSEY
JANUARY 1963

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	2.94			T	.02							.01	.49	.08				T	.08	.24	.71	.11		.02	T		.56	.44		.16	.02	
ATLANTIC CITY	2.90				.01							.05	.31	.08					.07	.24	.84	.08					.47	.48		.23	.02	
AUDUBON	2.15											T	.50					T	.09	.33	.08	T					.55	.50		.10		
BASS RIVER ST FOREST	3.18					.07									.75							.16			.17			1.03				
BELLEPLAIN STA FOREST	2.92											.61	.09						.07			.86	.18		.10			.78		.23		
BELVIDERE	2.86				T							.23	.46	.36				T	T	.66			.18	.27				.70		T		
BERNARDSVILLE 2 E	3.11											.17	.43	.11				.04		.60	.05			.50				1.17			.04	
BLACKWELLS MILLS	2.46				.03							.25	.19	.13						.46				.39				.89			.12	
BOORTON 1 SE	2.40				T							.20	.28	.07					T								.90			.02		
BOUND BROOK 2 W	2.32											.22	.20	.14				.15	T	.45	T			.36				.73			.07	
BRANCHVILLE	2.31				T							.28	.70	.02						.50				.24				.57		T		
BURLINGTON	2.27				.05							T	.45	T				.04		.47	.02		.14					.80		.20	.08	
CANISTEAR RESERVOIR	2.63											.44	.43	.20					T	.37	T			.41				.78	T			
CANOE BROOK	2.65											.23	.27	.17					.03	T	.52	.02			.43			.93			.05	
CANTON	2.37				T							.70	.04	.02						.08	.68							.80			.05	
CAPE MAY 3 W	2.68				.01							.43	.14					.19		.03	.88	.10						.75		.03	.12	
CEDAR GROVE	2.46											.21	.37							.12	.45							.91				
CHARLOTTEBURG	2.71				T							.31	.35	.20				T	T	.49				.40				.93			.03	
CHATHAM	2.46											.25	.25	.18						.55	.09							.65			.03	
CHATSWORTH	3.07				.32							.12	.65	.04					.07		.71	.10			.07			.83			.16	
ELIZABETH	2.03											.05	.31	.20					.02	.01	.53			.02	.18			.57			.14	
ELIZABETHPORT	2.37			T								.04	.34	.16					.02	.18	.36	.01					.37	.49			.08	
ESSEX FIELDS SERV BLDG	1.97											.09	.26						.02	.20	.25	.10			.35			.65			.05	
FLEMINGTON 1 NE	2.95				.03							.09	.44	.17					.06	T	.56	.03		.43	.02		1.04			.08		
FORTESCUE	2.50											.62	.03							.16	.67	.21			.05			.69			.07	
FREEHOLD	2.33											.03	.41	.04				.19		.02	.56	.08		.01	.07			.80		.11		
GREENWOOD LAKE	2.86				T							.42	.40	.21					.01	.42	.02			.44				.90			.04	
HAMMONTON 2 NNE	2.59				.04							.55	.08							.15	.67	.16						.76			.18	
HIGH POINT PARK	2.11				.01							.60	.29		.25									.32				.42				
HIGHTSTOWN 1 N	2.10			T	.08							T	.37	.14				.04	T	.43	.01		.03	.10				.81		.09	T	
INDIAN HILLS 2 W	2.60				.03							.03	.47	.10				.04		.59	.15		.03	.06				.95		.15		
IRVINGTON	2.65											.15	.27	.22					.17	.35	.02	.31					.48	.61		.07	T	
JERSEY CITY	2.55											.06	.31	.18				.06		.20	.41	T		.30	.10			.42	.48		.03	T
LAMBERTVILLE	2.29				.02							.14	.45	.15						.45	.06		.25	.09				.63		.05	T	
LAYTON	3.08					T						.27	.27	.67	.19		T			.54			.37				.72	T		T	.05	
LITTLE FALLS	2.68											.27	.14	.20					.01	.48	.01			.53				1.01				
LONG BRANCH	2.99			T								.10	.43	.06					.04	.05	.58	.05		.09	T			.40	1.05		.14	T
MAHWAH	2.72											.26	.48	.02	T						.43			T	.45				1.05			.03
MANVILLE	D 1.39				T								.43	.20					T	T	.41	T						.25			0	.10
MAYS LANDING	3.11				.04							.60	.06	.05					.11	.86	.23			.11				.92				.13
MIDLAND PARK	2.35											.10	.29	.23				.02	.13				.41				.61	.55			.01	
MILLVILLE	2.45				T							.05	.52	.04				.07	.22	.61			.08				.50	.24		.11	.01	
MILLVILLE FAA AIRPORT	2.44				T							.05	.34	.20				.12	.14	.68	.08		.06	T			.33	.29		.13	.02	
NILTON	2.83											.47	.46	.18				.04		.44				.52				.70			.02	
MOORESTOWN	2.13				.04							.34	.06	.15				.04	.01	.37	.06			.14				.82		T	.10	
MORRIS PLAINS 1 W	2.58				T							.27	.24	.10				.03	T	.54	.05			.49				.84			.02	
NEWARK WB AIRPORT	2.19											.04	.30	.19				T	.20	.37	T		.33	T			.38	.28		.10	T	
NEW BRUNSWICK EXP STA	2.18				.05							.21	.37	.21				.02		.15			.05					.15		.05	.03	
NEW MILFORD	2.43											.12	.25	.20					.12	.26			.30	.10			.30	.72		.06		
NEW MORMOUTH	2.56			.24	.02	T			.01			.03	.38	.14	.03			.06	.02	.58								1.05				
NEWTON	2.60											.41	.45	.16						.54	T			.42				.62		T		
OAK RIDGE RESERVOIR	2.61											.36	.39	.14				T		.36								.91			.04	
OLDWICK	2.37				T							.28	.30	.04				.02		.54	.02			.42				.75			T	
ORANGE	3.04													.85				.04			.62			.42				1.06		.05		
PATERSON	2.72											.38	.08	.18					.02	T	.48	.03			.09			1.40			.06	
PEMBERTON 3 E	2.20											.01	.39	.11				.01	T	.54	.14		.01					.87			.12	
PHILLIPSBURG	2.48											.60	.22	.35					.02	.65								.64				
PHILLIPSBURG BRIDGE	2.22					.02						.24	.58	.25							.62			.07					.44			
PLAINFIELD	2.66				T							.15	.25	.24					T	.01	.46			.42				1.03			.10	
PRINCETON WATER WORKS	2.25			T	T							T	.45	T						.34	.30	T		.01				.58	.47		.10	T
RAHWAY	1.78											.02	.39	.13				T	.19	.26			.28	T				.15	.40		T	
RINGWOOD	2.62											.49	.34	.03						.44	T			.41				.91			T	
SHILOH	2.59			.04	.01			.01				.01	.61	.12				.07	.01	.50	.33			.06				.73			.09	
SOMERVILLE	2.59				.03							.1																				

DAILY TEMPERAT URES

NEW JERSEY
JANUARY 1963

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC CITY WB AP	MAX MIN	30 12	36 24	40 26	41 30	41 26	44 28	47 22	44 31	46 27	56 31	51 37	47 38	43 29	32 16	39 13	43 19	52 28	44 36	44 37	54 44	51 14	35 13	48 20	20 4	24 5	37 17	36 18	21 10	32 3	34 25	31 11	40.1 22.4	
ATLANTIC CITY	MAX MIN	31 14	36 26	38 28	42 31	40 28	41 30	42 28	42 32	41 29	49 37	47 39	48 39	43 31	32 20	38 24	41 25	47 36	42 39	38 45	52 47	47 17	38 17	44 21	23 13	37 22	37 20	22 15	32 10	34 29	32 20	38.8 26.2		
AUGUBON	MAX MIN	31 12	34 24	39 23	40 31	39 24	38 28	42 23	41 30	42 28	52 50	50 42	42 38	40 28	31 18	39 16	37 19	52 22	41 33	47 22	40 35	47 48	19 34	22 35	23 18	37 6	36 17	22 11	27 7	32 20	32 17	37.9 21.7		
BELLEPLAIN STA FOREST	MAX MIN	24 10	36 22	39 29	40 30	41 22	40 24	46 16	43 27	43 20	57 24	52 30	49 36	47 34	32 12	39 7	41 10	52 20	44 32	43 36	54 37	49 20	34 7	50 28	43 4	25 -5	38 7	38 30	32 11	28 -3	33 15	32 23	40.8 19.8	
BELVIOERE	MAX MIN	23 7	35 21	37 9	40 27	37 12	38 26	39 12	41 23	41 27	46 20	39 28	37 32	36 31	33 12	34 9	45 12	38 22	42 33	39 27	39 33	31 14	39 8	33 20	-2 -2	21 -4	30 30	34 22	24 6	-11 11	11 16	33 34	35.0 15.6	
BOONTON 1 SE	MAX MIN	12 5	23 11	33 19	38 20	37 22	38 24	41 19	42 21	44 27	39 24	50 24	39 30	36 33	37 15	27 12	34 14	30 18	48 35	37 26	44 15	22 9	29 11	39 1	39 -1	7 -3	20 1	31 3	34 9	21 -5	26 2	33.0 14.8		
BURLINGTON	MAX MIN	28 14	34 25	36 24	38 22	38 25	40 32	42 23	41 31	43 30	53 28	45 33	42 38	42 33	19 18	37 24	36 21	52 24	44 34	41 34	48 48	48 18	33 13	40 27	37 0	25 5	35 15	34 22	25 12	26 5	31 18	33 22	38.2 22.1	
CANOE BROOK	MAX MIN	13 0	25 8	34 10	38 15	37 12	37 15	41 14	43 19	43 23	51 20	53 22	38 28	38 33	37 15	28 11	37 10	28 12	37 15	37 28	42 37	38 42	45 22	31 9	42 13	11 1	22 4	32 15	34 10	21 -13	26 -7	28 7	34.1 12.7	
CAPE MAY 3 W	MAX MIN	35 12	33 26	30	35 31	36 28	39 28	43 24	54 31	42 32	47 37	45 37	48 37	41 35	35 23	46 36	35 24	47 32	44 36	42 49	47 36	39 42	47 36	35 16	45 33	44 16	41 20	36 32	37 12	33 31	33 25	40.3 26.0		
CHARLOTTEBURG	MAX MIN	12 -2	20 11	30 15	39 16	37 13	37 16	43 14	45 14	44 24	40 20	53 21	38 28	36 28	25 12	34 9	29 11	46 33	42 49	36 27	42 27	49 12	20 6	29 8	33 -4	8 -4	18 -5	30 9	31 7	19 -11	25 12	27 31	35.8 11.2	
CHATSWORTH	MAX MIN	28 5	36 12	39 30	40 21	38 24	41 24	47 11	44 11	44 19	57 23	52 28	48 39	40 32	39 15	39 9	53 13	44 18	42 30	50 34	50 36	34 18	51 11	26 26	42 3	21 -3	38 8	25 11	32 1	31 11	32 21	17.8 17.8		
ELIZABETH	MAX MIN	26 10	36 20	39 20	42 32	38 23	40 30	45 45	43 32	43 29	53 26	44 32	43 32	39 34	34 16	39 15	49 19	42 49	46 32	45 36	45 48	32 11	49 25	37 33	23 4	32 12	36 24	27 14	28 5	29 17	30 20	38.5 21.4		
ESSEX FELS SERV BLOC	MAX MIN	12 5	25 11	32 17	37 19	37 17	35 18	40 18	41 18	42 25	50 24	51 24	41 30	36 33	36 13	47 12	37 11	47 15	36 31	47 48	37 27	44 15	23 8	32 13	40 -1	17 -2	20 1	30 14	32 8	21 -5	25 13	30 13	33.6 14.2	
FLEMINGTON 1 NE	MAX MIN	26 9	35 21	39 13	38 28	38 15	44 27	45 15	44 24	43 28	52 20	39 29	39 34	38 32	33 14	40 9	35 10	49 10	38 22	45 29	47 32	43 16	33 8	42 19	33 -2	42 -3	33 5	23 23	17 8	30 -12	26 6	27 10	37.0 16.4	
FREEHOLO	MAX MIN	25 10	35 20	39 18	40 30	38 22	40 27	43 21	42 28	38 29	60 27	47 34	41 35	38 32	32 15	38 15	36 17	52 23	48 33	40 32	47 38	47 16	33 10	49 27	39 1	20 1	33 11	35 22	20 9	26 2	30 18	28 19	38.2 20.7	
HAMMONTON 2 NNE	MAX MIN	23 -1	30 22	34 22	39 23	40 25	41 25	45 23	42 25	42 27	50 28	55 31	52 32	45 36	39 17	31 17	40 18	53 29	42 34	48 34	51 40	23 13	38 15	49 3	12 5	25 3	39 7	25 23	30 11	30 4	33 7	38.0 19.7		
HIGH POINT PARK	MAX MIN	12 -4	17 6	26 14	36 16	34 19	36 22	38 18	36 24	40 25	41 28	44 34	36 25	38 28	32 28	23 5	28 4	27 6	40 4	48 22	36 23	40 6	35 0	28 6	34 -8	0 -12	19 -6	38 10	24 4	14 -11	28 2	30 8	30.9 10.5	
HIGHTSTOWN 1 N	MAX MIN	27 11	34 22	36 18	39 30	36 21	39 28	40 20	41 28	41 28	51 25	43 30	40 35	37 32	33 17	36 15	32 15	47 22	39 28	38 33	46 34	46 18	32 11	47 26	42 2	18 2	33 9	33 2	26 10	24 0	29 16	29 19	36.5 20.4	
INOIAN MILLS 2 W	MAX MIN	29 10	33 23	38 16	39 29	38 19	40 24	43 18	42 26	43 22	55 23	50 29	46 38	38 31	31 13	39 10	52 11	41 32	48 39	49 35	48 16	32 13	49 35	41 11	49 26	41 3	21 -3	35 7	36 21	28 11	32 -3	29 17	39 19	38.5 18.8
JERSEY CITY	MAX MIN	25 10	32 19	37 19	38 23	35 28	39 32	42 29	42 34	41 35	47 34	44 38	38 35	37 27	30 19	35 21	42 16	41 27	41 34	45 30	44 38	31 40	44 30	19 13	19 4	22 4	31 17	36 18	23 12	24 9	28 21	29 20	35.2 22.8	
LAMBERTVILLE	MAX MIN	29 11	34 24	37 13	39 30	40 24	41 27	44 15	42 25	42 24	50 23	39 30	38 35	37 31	32 16	38 12	34 15	49 26	38 26	44 32	45 17	45 32	33 11	43 24	38 2	20 1	31 9	34 23	24 10	25 -5	28 14	31 18	36.9 18.4	
LAYTON	MAX MIN	10 -2	23 9	31 3	35 4	40 12	36 20	43 11	35 14	39 23	41 14	42 17	37 25	35 38	34 6	28 8	34 2	31 6	46 37	33 17	42 26	45 12	21 9	29 7	38 -4	9 -12	22 -10	28 35	22 11	24 -20	26 -19	6 7	32.1 17.3	
LITTLE FALLS	MAX MIN	20 7	25 16	36 10	40 24	41 19	38 23	45 20	45 23	44 26	54 26	45 29	43 31	39 34	38 16	30 15	40 14	50 15	40 27	47 29	40 16	47 26	33 10	43 15	0 0	10 2	25 7	32 16	26 10	-2 -2	11 17	31 17	36.2 17.3	
LONG BRANCH	MAX MIN	26 12	34 23	37 21	38 31	35 24	43 38	40 24	39 32	43 30	55 24	44 35	40 38	39 29	30 18	38 26	34 20	49 26	38 40	40 33	50 40	44 14	32 11	49 19	40 4	18 2	32 16	35 15	20 12	24 6	30 20	29 19	36.9 21.8	
MILLVILLE	MAX MIN	19 13	30 24	36 24	41 30	40 24	40 25	40 21	46 23	42 26	46 27	45 29	49 33	47 38	40 18	32 15	42 16	53 18	43 26	53 36	53 21	23 14	36 14	48 6	15 4	25 4	37 10	25 7	37 22	30 7	33 8	33 24	38.2 20.4	
MILLVILLE FAA AIRPORT	MAX MIN	29 12	35 22	36 29	40 28	40 24	38 20	45 18	41 29	42 25	53 28	49 35	48 32	40 27	30 13	38 11	50 13	44 33	41 36	53 31	45 15	35 13	46 18	18 3	23 2	37 17	35 18	21 11	28 3	30 23	9 20	38.2 20.5		
MOORESTOWN	MAX MIN	29 11	34 24	39 21	38 30	39 22	39 28	44 22	42 29	43 29	53 28	50 32	43 36	39 25	30 18	37 16	36 20	51 32	39 30	46 35	40 12	31 33	47 35	16 35	21 3	36 16	34 14	18 8	25 4	31 18	29 14	36.8 20.3		
MORRIS PLAINS 1 W	MAX MIN	11 1	24 10	33 17	38 25	37 18	37 21	42 16	41 19	46 26	51 22	53 24	40 30	36 22	37 14	27 10	36 11	48 14	37 19	43 30	42 32	33 15	43 9	31 12	39 -2	8 -6	22 2	32 13	23 9	25 -8	26 2	36 14	44.6 14.6	
NEWARK WB AIRPORT	MAX 																																	

Continued

DAILY TEMPERATURES

NEW JERSEY
JANUARY 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOMS RIVER	MAX	27	36	40	41	38	43	44	43	43	59	52	52	42	35	38	37	53	46	45	51	50	32	51	46	20	36	36	30	28	30	30	40.5
	MIN	9	17	15	30	19	25	17	26	26	23	30	38	35	14	9	11	19	29	34	34	19	11	26	4	4	7	29	11	3	15	20	19.6
TRENTON WB CITY	MAX	28	34	36	39	37	40	44	42	42	52	43	39	37	29	36	34	50	39	38	46	43	31	47	17	20	33	32	18	24	30	29	35.8
	MIN	12	25	24	30	26	31	26	32	31	31	36	35	23	17	21	19	27	35	33	35	13	12	16	2	4	18	16	11	6	20	20	22.2
TUCKERTON	MAX	25	40	40	40	40	40	40	44	44	50	47	49	42	35	40	40	48	43	43	52	50	34	45	42	23	35	37	30	30	34	32	39.8
	MIN	10	23	20	30	22	24	17	28	26	24	30	39	33	15	7	12	23	30	36	38	19	9	30	4	-1	12	26	12	2	21	22	20.7
WOODSTOWN	MAX	29	35	37	39	41	37	41	41	43	51	50	46	40	33	37	38	50	40	39	49	46	34	47	38	23	35	35	24	26	33	30	38.3
	MIN	11	23	28	29	20	25	20	29	24	26	30	39	32	16	14	19	21	33	33	36	12	13	29	0	6	12	22	5	0	18	21	20.8

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT #1																																	
1 INCH	MAX MIN	31 29	31 30	32 31	33 32	33 32	33 32	33 32	33 33	33 33	33 32	33 33	33 33	33 33	33 33	33 32	33 32	33 32	33 32	33 33	34 33	33 33	33 32	33 33	33 30	30 29	32 31	32 31	32 32	32 32	32 32	32 32	32.6 31.9
2 INCHES	MAX MIN	31 29	31 30	32 31	33 32	33 32	33 32	33 32	33 33	33 33	33 32	33 33	33 33	33 33	33 33	33 32	33 32	33 32	33 32	33 33	34 33	33 33	33 32	33 33	33 30	30 30	32 31	32 31	32 32	32 32	32 32	32 32	32.6 31.9
4 INCHES	MAX MIN	32 32	32 32	33 32	33 32	33 32	33 32	33 32	33 33	33 33	33 32	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	34 33	34 33	34 34	34 33	34 33	34 33	33 32	33 32	33 32	33 32	33 32	33 32	33.0 32.5	
8 INCHES	MAX MIN	34 34	34 33	34 33	34 33	34 33	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	34 34	35 34	35 34	35 34	34 34	35 34	35 33	34 33	34 33	34 33	34 33	34 33	34 33	34.1 33.6	
16 INCHES	MAX MIN	37 37	37 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 36	36 35	36 35	36 36	37 36	36 36	36 36	36 35	36 36	36 35	36 35	36 35	36 35	35 35	35 35	35 35	36 35	36.0 35.6	
32 INCHES	MAX MIN	40 40	40 39	39 39	39 39	39 39	39 39	39 39	39 38	39 39	39 38	39 39	39 38	38 38	38 38	38 38	38 38	38 38	39 38	38 38	38 38	38 37	38 38	38 37	38 37	38 38	38 38	38 38	38 38	38 37	38 37	38.4 38.1	
PLOT #2																																	
1 INCH	MAX MIN	25 17	32 24	32 25	33 32	33 29	33 32	33 30	33 33	33 33	33 32	33 33	36 34	36 33	33 30	32 27	32 26	33 26	33 32	34 33	37 33	36 30	32 28	32 32	33 16	27 14	32 25	32 31	32 31	31 30	31 30	32 31	32.5 28.7
2 INCHES	MAX MIN	26 18	32 24	32 25	33 32	33 29	33 32	33 30	33 33	33 33	33 32	33 33	35 34	36 33	33 28	32 26	32 27	32 32	33 33	34 33	36 33	35 32	32 29	32 32	33 18	27 16	31 25	32 31	32 31	31 30	31 30	32 30	32.4 29.1
4 INCHES	MAX MIN	26 20	31 25	32 26	32 31	33 32	33 31	33 33	33 33	33 33	33 32	33 33	34 33	35 33	33 32	32 31	32 29	32 29	32 33	33 33	35 33	35 33	33 32	33 32	33 22	33 20	28 27	31 31	32 31	32 31	31 31	31 31	32.3 30.1
8 INCHES	MAX MIN	30 27	31 29	32 30	32 32	33 32	33 32	33 32	33 33	33 33	33 32	33 33	33 33	33 33	33 33	33 33	33 32	33 32	33 32	33 33	33 33	33 33	33 33	33 33	31 28	31 30	32 32	32 32	32 32	32 32	32 32	31.4 30.8	

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES
CONNECTED TO A BROWN ELECTRONIC POTENTIOMETER.PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-
CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed			Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A EST	7:00 A EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	WNW	14	9.4	37++	WNW	27	79	78	59	72	3	6	5	2	0	0	16	63	5.6
LONG BRANCH	NW	13	11.0	48	NW	27	-	68	58 &	66	5	5	4	1	1	0	16	56	5.6
NEWARK WB AIRPORT	NNE	13	10.3	35++	W	27+	70	71	58	66	5	1	8	0	0	0	14	-	6.1
TRENTON WB CITY	S	-	8.7	41	W	27	-	-	-	-	2	4	7	1	0	0	14	60	5.7

& 12:00 NOON

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

NEW JERSEY
JANUARY 1963

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	SNOWFALL SN ON GND WTR EQUIV			T	.4 T																	T		.1 T	T	T	1.8 T	1	T	T	1.9 T	.2 T
BELVIOERE	SNOWFALL SN ON GND	7	7	6	T 6	5	4	3	3	3	2	2	1	1	1	1	1	1	T 1	T T	T	T	T	1.5 2	.5 2	2	2	6.0 B	B	B	T B	8
CHARLOTTEBURG	SNOWFALL SN ON GND	2	2	2	1	1	1	1	1	1	1	1	T												4.0 4	4	4	7.0 11	11	11	10	.3 10
FLEMINGTON 1 NE	SNOWFALL SN ON GND	7	4	3	.5 2	2	1	1	T	T	T	T		T						T T				1.5 2	T 2	2	2	9.0 11	11	11	12	1.0 12
FREEHOLD	SNOWFALL SN ON GND				.3																			.5 T		3.5 2	2	2	1.8 4		4	
HIGHTSTOWN 1 N	SNOWFALL SN ON GND	T	T	T	.4 T	T	T	T	T	T	T			T										.5 T	T	T	3.5 3	3	3	1.5 4	T	
INOIAN MILLS 2 W	SNOWFALL SN ON GND				.3 T																			.4 T	T	T	3.1 T	T	T	2.1 2	1	
LAMBERTVILLE	SNOWFALL SN ON GND	3	3	2	T 2	2	2	1	1	T	T	T	T	T	T	T								T	T	T	4.0 4	4	3	1.0 4	T	
LITTLE FALLS	SNOWFALL SN ON GND	3	3	3	2	2	1	1	1	1	1	1	T	T	T									.4 T	T	T	7.0 T	7	7	7	.5 7	
LONG BRANCH	SNOWFALL SN ON GND		T	T	T																			.8 T	.2 1	T	3.5 3	3	3	3.0 4	T	
MAYS LANOING	SNOWFALL SN ON GND				T T																				.2 T		3.0 2	1	T	T	1.5 2	
MILLVILLE	SNOWFALL SN ON GND				T																			T		3.0 3	T				1.3	
MILLVILLE FAA AIRPORT	SNOWFALL SN ON GND				T T																	T		T	T	3.0 T	2	2	2	2.0 1	T	
MOORESTOWN	SNOWFALL SN ON GND	1	T	T	.3 T	T	T	T	T	T	T																4.5 4	3	2	2	2.0 3	
MORRIS PLAINS 1 W	SNOWFALL SN ON GND	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5 -	-	7.5 -	-	-	-	-	.5 -
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T	T		T									T								T		.3 T	T	4.3 T	1.9 T	5	5	1.0 6	T	
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND				.5																				T		4.0 4	4	3	1.0 6	4	
NEWTON	SNOWFALL SN ON GND	7	7	7	6	6	6	5	5	4	4	4	2	2	T 1	1	1		T	T	T	T	T	T	3.0 3	3	3	7.5 10	10	10	T 9	9
PATERSON	SNOWFALL SN ON GND																							.3 T	T	T	6.6 7	7	7	7	.4 7	
PEMBERTON 3 E	SNOWFALL SN ON GND																										3.0 1	1		1.5 2	1	
PHILLIPSBURG	SNOWFALL SN ON GND	T	T	T	T	T	T																				7.0 7	7	7	6	6	
PLAINFIELD	SNOWFALL SN ON GND				T																			.3			6.0 5	5	5	2.0 6	T	
RAHWAY	SNOWFALL SN ON GND	1	1	T	T	T	T	T	T	T	T	T												T	T		5.3 5	5	4	5	.8 5	
SOMERVILLE	SNOWFALL SN ON GND	2	2	2	.6 2	1	1	1	1																T		4.2 4	4	4	4	.8 4	3
TRENTON WB CITY	SNOWFALL SN ON GND	T	T	T	.2 T	T	T	T	T	T					.2							T		.2 T	T	T	4.0 4	.2 3	2	1.8 2	3	
WANAQUE RAYMONO OAM	SNOWFALL SN ON GND	3	3	3	T 3	1	1	1	1													T T			3.5 4	4	4	6.0 9	9	9	8	.3 8

See reference notes following Station Index.

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS	5597	MORRIS	8	41 01	74 32	950	7A			JERSEY CITY WATER WKS.		
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID			C	U.S. WEATHER BUREAU	5726	BURLINGTON	2	39 58	74 58	55	MID	8A			H. J. WILLARD	
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			H	STATE MARINA	5769	MORRIS	8	40 50	74 30	400	8A	8A			H. JOSEPH M. GARRIS, 111	
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P			C	IRVIN J. NYGREN	6026	ESSEX	1	40 42	74 10	11	MID	MID			C. H. J. ARTHUR M. AHLQUIST	
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20		9A			H	N.J. FORESTRY SERVICE	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P			C. H. J. ARTHUR M. AHLQUIST	
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST	6146	BERGEN	4	40 57	74 02	12	MID				C. HACKENSACK WATER CO.	
SELMA 2 SW	0721	MONMOUTH	1	40 09	74 04	40		8A				BEHMER WATER WORKS	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			ST. MARYS SCHOOL	
BEVIERE	0729	WARREN	2	40 50	75 05	275	5P					CLERMONT MAUP	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C. H. NEWTON WTR. & SWR. COMM.	
BERNARDSVILLE 2 E	0797	SOMERSET	6	40 43	74 32	240		7A				DAR RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870	8A			NEWARK WATER DEPT.		
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27		7A				HENRY M. MILLER	6544	HUNTERDON	10	40 40	74 45	260	8A			DAN A. COUGHLIN		
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS	6560	ESSEX	8	40 47	74 14	140	MID			C. COUNTY ENGINEER		
BOUND BROOK 2 W	0927	SOMERSET	10	40 33	74 34	50		8A				AMERICAN CYANAMID CO.	6775	PASSAIC	8	40 54	74 09	100	8A	8A			H. P. J. DEL VECCHIO	
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	560		7A				ALBERT M. DAVENPORT	6843	BURLINGTON	2	39 58	74 36	80	5P	5P			H. PHILIP E. NARUCCI	
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. & G. CO.	6974	WARREN	2	40 41	75 12	182	3P	3P			H. SEWAGE DISPOSAL PLANT	
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040		8A				NEWARK WATER DEPARTMENT	6979	WARREN	2	40 42	75 12	196	9A			JOINT TOLL BRIDGE COMM.		
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.	7079	UNION	10	40 36	74 25	120	8P	8P			H. NRS VIVIAN SCHERER	
CANTON	1343	SALEM	2	39 28	75 25	20		9A				GERTRUDE S. WILLIS	7328	MERCER	10	40 20	74 40	60	MID			PRINCETON WATER CO.		
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P				N.W. NAGSSETTE CO.	7393	UNION	9	40 36	74 15	20	MID			C. H. RANNEY VLY. SWG. AUTH.		
CEGAR GROVE	1472	ESSEX	8	40 52	74 13	400		8A				J. A. PLUNKETT	7587	PASSAIC	8	41 08	74 16	305	10A			NO. JERSEY WTR. SUPPLY		
CENTERTON	1512	SALEM	6	39 31	75 10	60					C	JOHN HOPKINS UNIV.	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P			EVERETT DICKERSON	
CHARLOTTEBURG	1582	PASSAIC	8	41 02	74 26	760	7A					NEWARK WATER DEPT.	8194	SOMERSET	10	40 34	74 37	75	6P	6P			H. E. HAYER	
CHATHAM	1590	MORRIS	8	40 44	74 23	185		8A				EDWARD N. KERCHER	8402	MORRIS	8	40 58	74 28	800	10A			JERSEY CITY D. P. W.		
CHATSWORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL N. KERCHER	8423	UNION	1	40 43	74 18	-					C. N. J. DEPT. OF CONS.	
CLAYTON	1708	GLoucester	4	39 39	75 06	120	6P	6P				H. HARRY P. CAMPBELL	8444	SUSSEX	5	41 13	74 37	440	7A	7A			BRUCE B. STANTON	
CLINTON	1749	HUNTERDON	10	40 38	74 54	280		8A				THOMAS L. HALPIN	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.	
ELIZABETH	2644	UNION	1	40 40	74 14	40	5P	5P				UNION CD. PARK COMM.	8883	MERCER	2	39 57	74 46	56	MID	MID			C. H. J. U.S. WEATHER BUREAU	
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MID					SEWAGE TREATMENT PLANT	8899	OCEAN	1	39 56	74 20	10	6P	6P			REV. WALTER T. GANEX	
ESSEX FELS SERV BLDG	2768	ESSEX	8	40 50	74 17	340	8A					BOROUGH ESSEX FELS	8923	UNION	8	41 03	74 18	320	8A			H. WATER SUPPLY COM.		
FLEMINGTON 1 NE	3029	WARREN	2	40 51	74 51	90		7A				DOUGLAS YOUNG	9271	UNION	8	40 40	74 25	-					C. BONNIE BURN SANITARIUM	
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5		7A				JOHN LOPER	9363	HUNTERDON	10	40 27	74 46	160	7A				ROBERT N. MANNERS	
FREEHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C	FRANK J. MOREAU	9608	MORRIS	8	40 54	74 36	680	7A				N. J. POWER & LIGHT CO.	
GLASSBORO	3291	GLoucester	2	39 42	75 07	135		7A				GLASSBORO STATE COLLEGE	9832	BERGEN	4	41 01	74 03	103	MID				C. HACKENSACK WATER CO.	
GREENWOOD LAKE	3516	PASSAIC	8	40 53	74 03	10		7A				GEORGE T. WIGGINS	9910	SALEM	2	39 39	75 19	50	5P	5P			CREAM VALLEY DAIRY	
HACKENSACK	3572	BERGEN	4	40 53	74 03	10		7A				BERGEN COUNTY ENGINEERS												
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					M. HUBBARD PARKHURST												
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A					N. J. DEPT. OF CONS.												
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C	JAMES R. PICKERING												
INDIAN HILLS 2 W	4229	BURLINGTON	2	39 58	74 47	100	7P	7P			H	EDWARD ENTWISTLE												
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	MID					JOINT MEETING GARAGE												
JERSEY CITY	4339	HUNTERDON	1	40 44	74 03	135	MID					JERSEY CITY WATER DEPT.												
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P			H	E. E. CASE												
LAURELTON 1 E	4700	OCEAN	7	40 07	74 07	20	MID	MID				PUBLICATION ENDO B/62												
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P	5P				CHARLES KOONS												
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	9A			C	PASSAIC VLY. WTR. CONN.												
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID			C	WILLIAM O. MARTIN, JR.												
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				H. ARTHUR BARKMAN												
LUMBERTON	5005	BURLINGTON	2	39 58	74 48	25					C	JAMES LAWTON												
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61												
MANHAWK	5104	BERGEN	2	41 06	74 10	251		7A				ROBERT G. GLASDOW												
MANTVILLE	5197	SOMERSET	10	40 33	74 34	50		8A				JOHN L. RAGLIFFE												
MARLBORO 5CS	5244	MONMOUTH	1	40 20	74 14	120					C	GEROW BRILL												
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10		9A				COUNTY EXTENSION SVC.												
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MID					REDWOOD WATER CO.												
MILLVILLE	5516	CUMBERLAND	2	39 24	75 03	80	8A	8A			C	H. L. J. GALLAGHER												
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID				FED. AVIATION AGENCY												

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUNTERDON; 6-HAUNTS; 7-MULICA; 8-PASSAIC; 9-RANDY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Table", "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, E, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- E "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

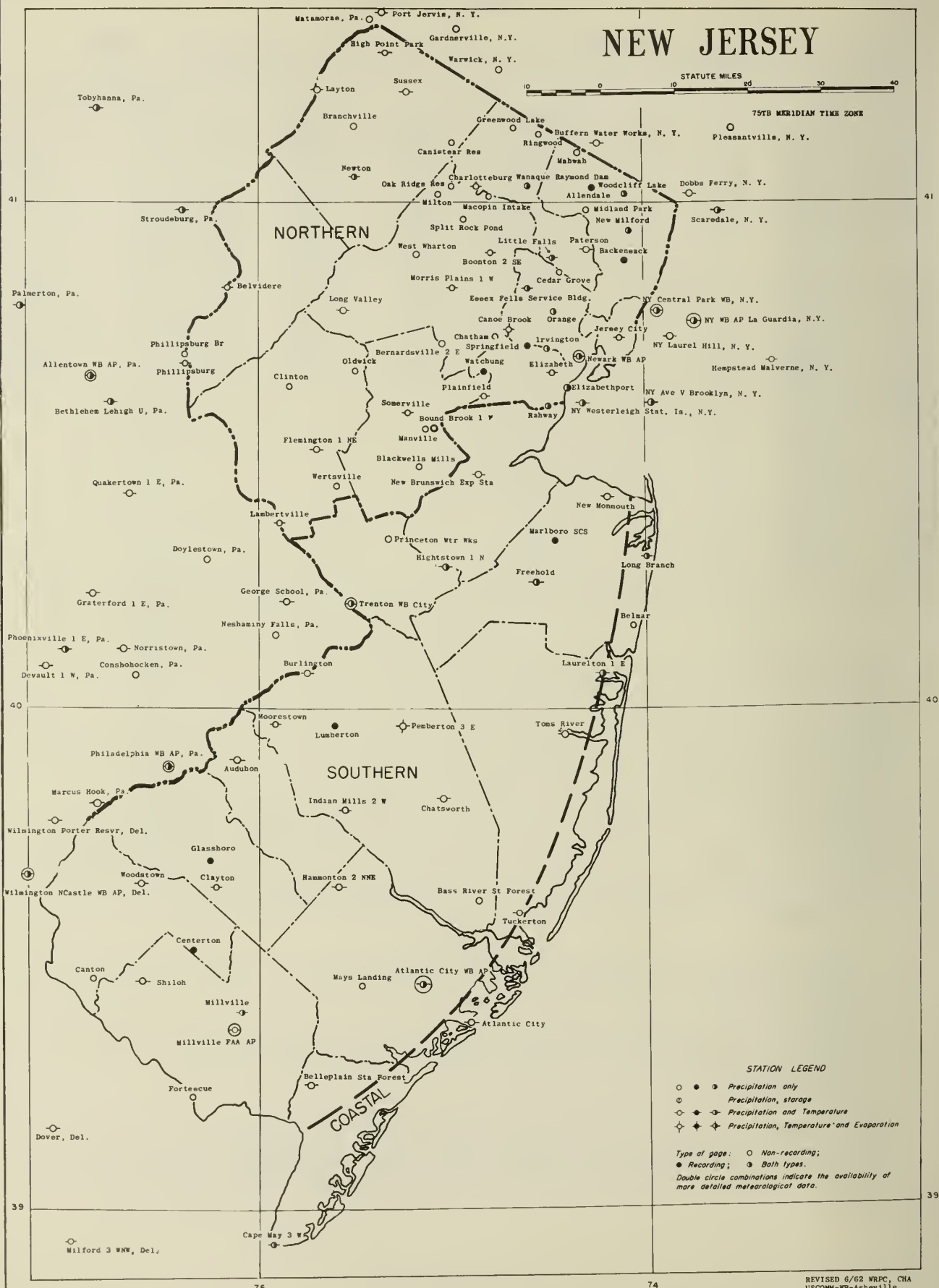
OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- † And also on an earlier date or dates.
- †† Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- # Thermometers are generally exposed in a shelter located a few feet above and down-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gauge. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, in amount too small to measure.
- V Includes total for previous month.
- Z Observations in 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

NEW JERSEY

STATUTE MILES

75°T MERIDIAN TIME ZONE



357.05
UNIT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

FEBRUARY 1963
Volume 68 No. 2



ASHEVILLE: 1963

THE LIBRARY OF THE
MAY 2 1963
UNIVERSITY OF ALABAMA

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 60° on the 6th at Atlantic City WB AP

Lowest Temperature: -18° on the 8th at High Point Park

Greatest Total Precipitation: 4.29 inches at Bass River State Forest

Least Total Precipitation: 1.38 inches at New Brunswick Exp Station

Greatest One-Day Precipitation: 1.50 inches on the 12th at Charlotteburg

Greatest Reported Total Snowfall: 17.5 inches at Branchville

Greatest Reported Depth of Snow on Ground: 19 inches on the 20th at High Point Park

SPECIAL WEATHER SUMMARY

Throughout most of New Jersey this was the coldest February since 1936. The winter of 1962-1963, December through February, was the coldest winter since 1935-1936. Temperatures averaged from 4° to 5° below normal for the winter season.

Precipitation over the State was generally from 1 1/2 to 2 1/2 inches below normal for the 3 winter months. Snow-

fall during the past winter averaged from 50 percent to 65 percent of the mean snowfall for the last six winters, beginning in 1956-1957.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
FEBRUARY 1963

Station	Temperature											Precipitation															
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max. Min.								Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	0° or Below														
NORTHERN																											
BELVIOERE	32.1	8.8	20.5	-10.8	47	7	-5	9+	1240	0	15	28	7	2.28	-.84	.48	3	10.9	8	1	6	0	0				
BOONTON 1 SE	31.9	11.1	21.5	-8.0	52	7	-6	9+	1211	0	15	28	3	2.09	-.64	.68	20	6.0			5	2	0				
CANOE BROOK	33.5	12.1	22.8	-6.8	51	7	-6	1	1173	0	13	28	4	1.97	-.99	.75	12	3.5	4	2+	5	1	0				
CHARLOTTEBURG	30.0	6.7	18.4	-10.7	51	7	-9	9+	1301	0	17	28	10	3.48	.31	1.50	12	14.1	11	25	5	2	1				
ELIZABETH	36.9	18.6	27.8	-5.5	52	18	-3	8	1036	0	8	25	1	2.31	-.97	.98	12		4	6+			0				
ESSEX FELS SERV BLOC	32.6	11.4	22.0		52	7	-6	9+	1197	0	15	27	2	2.12		.85	20				5	2	0				
FLEMINGTON 1 NE	36.1	13.6	24.9	-7.4	55	6	-5	8	1118	0	9	28	3	3.26	.48	1.15	19	9.5	12	1	7	2	1				
HIGH POINT PARK	28.4	6.5	17.5		47	7	-18	8	1326	0	19	28	10	2.10		.52	12		19	20	5	2	0				
JERSEY CITY	34.8	19.8	27.3	-5.4	51	6	-2	8	1051	0	12	26	0	2.44	-.46	.92	12				4	2	0				
LAMBERTVILLE	36.8	16.7	26.8	-5.7	54	6	0	8	1064	0	8	27	1	2.07	-.65	.87	12	4.0	4	1	6	2	0				
LAYTON	31.8	2.0	16.9		51	19	-13	17	1336	0	17	28	16	1.82		.57	20	11.9	12	28+	4	1	0				
LITTLE FALLS	34.8	15.0	24.9	-6.8	52	19	-6	8	1117	0	11	28	2	2.35	-.72	.75	20+	5.4	7	1	5	2	0				
MORRIS PLAINS 1 W	32.8	11.5	22.2		52	7	-8	9	1193	0	15	28	2	2.27		.70	20	10.5	6	20	5	2	0				
NEWARK WB AIRPORT	35.9	19.3	27.6	-5.1	51	6	-2	8	1041	0	10	26	1	2.16	-.64	.72	12	3.6	5	2+	5	2	0				
NEWTON	31.0	6.8	18.9	-9.2	48	7	-8	17+	1285	0	18	28	7	2.18	-.39	.54	12	12.0	10	28+	6	1	0				
PATERSON	35.6	16.3	26.0	-6.1	50	19+	-4	9+	1087	0	9	27	2	2.39	-.76	1.05	13	3.2	0		3	2	1				
PHILLIPSBURG	37.1	14.1	25.6	-5.8	49	19+	-3	8	1095	0	10	27	1	2.72	-.34	.80	2	3.0	3	20	5	4	0				
PLAINFIELD	34.6	17.5	26.1	-6.4	53	6	-3	8	1086	0	11	27	1	2.53	-.49	.88	19	5.7	5	1	5	2	0				
SOMERVILLE	35.5	15.5	25.5	-6.5	50	6	-4	8	1101	0	8	26	1	2.25	-.50	.89	12	3.5	3	4+	6	2	0				
SUSSEX	31.3	3.4	17.4	-11.5	52	7	-14	27	1326	0	18	28	15	2.13	-.59	.48	12				6	0	0				
DIVISION			23.0	-7.9											2.35	-.57	7.1										
SOUTHERN																											
ATLANTIC CITY WB AP	39.6	19.4	29.5	-5.2	60	6	5	8	986	0	8	25	0	2.50	-.63	1.26	19	.3	1	1	3	2	1				
AUDUBON	37.7	18.6	28.2		56	6	1	8	1024	0	8	26	0	2.12		.87	12	4.0	3	1	5	2	0				
BELLEPLAIN STA FOREST	41.9	17.0	29.5		58	21+	0	17	990	0	4	26	1	1.84	-1.34	.79	19				3	2	0				
BURLINGTON	38.7	20.3	29.5	-5.4	55	6	1	8	987	0	5	26	0	2.39	-.51	.87	12	T	1	1	7	2	0				
CHATSWORTH	40.6	16.8	28.7		57	6	0	8	1011	0	6	26	1	2.41		.93	12				6	2	0				
FREEHOLD	37.0	17.7	27.4	-5.6	53	18+	-2	8	1047	0	9	27	1	2.46	-.68	1.02	12	3.4	4	1	6	2	1				
HAMMONTON 2 NNE	37.3	16.7	27.0	-7.5	55	7	-3	9	1058	0	10	27	0	3.61	.36	.90	25				6	4	0				
HIGHTSTOWN 1 N	36.8	17.6	27.2	-5.7	53	18	-2	8	1051	0	7	27	1	2.23	-.50	1.04	12	4.0	4	1	4	2	1				
INOIAN MILLS 2 W	38.3	17.1	27.7	-6.1	55	6	1	1	1036	0	6	27	0	2.32	-.79	.93	12	2.4	1	1	5	2	0				
MILLVILLE	37.5	18.1M	27.8M		57	12	8	17+	1031	0	9	26	0	1.88		.75	19	.5	0		3	2	0				
MILLVILLE FAA AIRPOR.	38.6	18.2	28.4		59	11	2	17	1017	0	8	26	0	2.09		.85	19		1	26+	3	2	0				
MOORESTOWN	36.3	18.5	27.4	-6.0	54	6	-2	8	1044	0	10	27	0	3.01	.28	.96	20	7.0	2	26+	6	3	0				
NEW BRUNSWICK EXP STA	36.9	17.9	27.4	-5.4	51	6	-3	8	1045	0	7	28	1	1.38	-1.39	.45	19	6.4	4	19	7	0	0				
NEW MONMOUTH	38.5	18.4	28.5		53	18	-2	8	1017	0	6	27	1	2.75		1.11	12				5	2	1				
PEMBERTON 3 E	39.3	17.2	28.3	-6.0	53	6	1	8	1020	0	7	25	0	2.53	-.35	.97	12	1.0	1	19+	5	2	0				
SHILOH	38.3	19.5	28.9	-6.0	52	6	6	8	1006	0	5	26	0	1.93	-.96	.72	12				5	2	0				
TOMS RIVER	41.7	16.6	29.2		55	11	0	17	998	0	4	27	1	2.73		1.00	19				5	2	1				
TRENTON WB CITY	35.6	18.8	27.2	-6.2	53	6	-2	8	1051	0	10	26	1	2.17	-.42	.80	12	3.3	2	19+	3	2	0				
TUCKERTON	40.6	18.2	29.4		52	18	-2	17	989	0	5	25	0	3.11		1.40	19				5	2	1				
WOODSTOWN	38.1	16.8	27.5		52	6	-6	8	1044	0	6	27	1	2.40		.91	12	2.9	2	1	6	2	0				
DIVISION			28.2	-5.5											2.39	-.60	2.9										
COASTAL																											
ATLANTIC CITY	R 38.4	22.9	30.7	-5.0	53	7	8	8	954	0	7	23	0	2.35	-1.03	1.23	19				4	2	1				
CAPE MAY 3 W	37.7	23.0	30.4		48	11	10	17	962	0	6	24	0	2.11		.75	20				5	2	0				
LONG BRANCH	R 36.6	19.4	28.0	-5.0	52	18+	-1	8	1026	0	9	24	1	2.68	-.86	1.11	12	2.0	4	1	4	2	2				
DIVISION			29.7	-4.6											2.38	-.74	2.0										

See reference notes following Station Index.

DAILY PRECIPITATION

NEW JERSEY
FEBRUARY 1963

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	2.50	T	.02	.09				.04			T	.01	.73							1.26	.02	T				.32	.01	T	T	T			
ATLANTIC CITY	2.35		.03	.09				.10				.02	.59							1.23						.29							
AUGUBON	2.12		.20	.19				T			T	.10	.87							.85	T	T				.10							
BASS RIVER ST FOREST	4.29													.92						1.26						.92	.75		.25				
BELLEPLAIN STA FOREST	1.84		.06	.08				T	T			.59								.79	.07			.22									
BELVIDERE	2.28		.07	.48					T		T	.12	.41	.34	T	.02				.44	T					.40	T						
BERNARDSVILLE 2 E	2.80		.03	.42								.08	.52	.57						.97						.18	.03						
BLACKWELLS MILLS	2.44		.04	.28					T			.05	.68	.44						.81						.08	.06						
BOONTON 1 SE	2.09		.02	.36					T		T	.06	.53	.27	T	T				.68	T					.17	T						
ROUND BROOK 2 W	2.03		.05	.27					T		T	.05	.76	.15						.65						.09	.01						
BRANCHVILLE	1.98			.46							T	.10	.29	.37		.04				.47	T					.25							
BURLINGTON	2.39		.20	.18				.01	.01		T	.04	.87	.02						.50	.25				.11		.20						
CANISTEAR RESERVOIR	2.14		.06	.33							T	.10	.40	.30		.03				.61	T					.31	T		T				
CANOE BROOK	1.97		.07	.35								.07	.75	.17						.45						.10	.01						
CANTON	1.86		.04	.16									.65	.01						.79						.18	.03						
CAPE MAY 3 W	2.11		.05	.20								.03	.71	.01						.05	.75				.15	.16							
CEDAR GROVE	2.27		.28	.12								.07	.62	.33						.73						.04	.08						
CHARLOTTEBURG	3.48		.04	.42					T		.01	.09	1.50	.33		.03				.82	.01					.23							
CHATHAM	2.18		T	.44								.07	.64	.33						.70													
CHATSORTH	2.41		.11	.16									.93	.03						.74	.19					.21	.04						
ELIZABETH	2.31		.22	.14					T			.09	.98								.82	.03			.03								
ELIZABETHPORT	2.59		.31	.05							T	.15	.88							1.04					.16	T							
ESSEX FIELDS SERV BLOC	2.12			.32								.10			.70	T									.15								
FLEMINGTON 1 NE	3.26		.27	.31				.03			T	.14	.93	T						1.15	.16	T			.25	T	.02						
FORTESCUE	1.53		.05										.75							.50						.23							
FREENHOLD	2.46		.19	.13					T		T	.02	1.02							.60	.28				.18		.30	.04					
GREENWOOD LAKE	2.62		T	.47					T		.01	.10	.51	.32		.05					.84	.02				.30							
HANMONTON 2 NNE	3.61		.16	.17								.04	.76	.08						.80						.90	.70						
HIGH POINT PARK	2.10		T	.40							.02	.03	.52	.33		T	.02			.50	.07				T	.21	T						
HIGHTSTOWN 1 N	2.23		.26					T			T	1.04	T	T						.74				.14	.05				T				
INDIAN MILLS 2 W	2.32		.09	.14				.01	.02			T	.93							.74	.16			.18		.05							
IRVINGTON	2.65		.47	.02				.01			.03	.17	.82		.02					1.00	T					.10	.01	T					
JERSEY CITY	2.44		.38	.02				.02			.03	.14	.92	T						.90						.03							
LAMBERTVILLE	2.07		.26									.08	T	T						.52	.18			.14		.03	.10						
LAYTON	1.82		.06	.39							.01	.08	.33	.30	T	.02				.57	.03					.03	T		T				
LITTLE FALLS	2.35		.06	.38								.07	.75	.20		.03				.75	T					.10	.01						
LONG BRANCH	2.68		.21	.06					T		T	.01	1.11	T	T					1.08	.70	T		.18	.03			T					
MAHWAH	2.36			.49							.01	.07	.43	.37		.01				.80						.18							
MAHVILLE	1.89		T	.15				T			T		.62	.05						.82						.03	.05						
MAYS LANDING	2.34		.06	.14				.04					.60	.05						1.09						.33	.02		.01				
MIOLANO PARK	1.48		.50									.04	.16		.02					.63				.13									
HILLVILLE	1.88		.09	.04				.02				.02	.69							.75				.25		.01	T			.02			
MILLVILLE FAA AIRPORT	2.09		.08	.05								.02	.80							.85				.26		.36							
MILTON	2.92			.55								.12	.62	.22		.15				.80	.10					.11	.80						
MOORESTOWN	3.01		.02	.12				.04				T	.82	.14						.96	T												
MORRIS PLAINS 1 W	2.27		T	.34					T		T	.09	.66	.27	T	.02				.70	T					.19	T						
NEWARK WB AIRPORT	2.16		.35	.02				.01			.01	.20	.72	T	.01					.68	T	T			.12	.04	T		T				
NEW BRUNSWICK EXP STA	1.38		.17	.15				T			T	.04	.10	T						.45	.27				.10		.10						
NEW MILFORD	2.03		.28	.02								.06	.81							.78	.02					.06							
NEW MONMOUTH	2.75		.32	.15				.08			T	.04	1.11	.06	.01					.38						.60	T	T		T			
NEWTON	2.18		T	.42							T	.12	.54	.29		.03					.47	.02				.29	T						
OAK RIDGE RESERVOIR	2.58		.06	.37							.02	.07	.58	.33		.09					.82	.03				.21	T						
OLDWICK	2.28		T	.41								.09	.63	.18						.70						.27	T						
ORANGE	2.36			.43								.06		.95						.85							.07						
PATERSON	2.39		T	.42					T		T	T	.09	1.05	T	T				.79	T					.04	T						
PEMBERTON 3 E	2.53		.06	.15								.02	.97							.88	.23			.14		.08							
PHILLIPSBURG	2.72		.80	.50								.15	.72	T		T				T	.55												
PHILLIPSBURG BRIDGE	1.59			.36								.11		.27	.09					.53						.23	T						
PLAINFIELD	2.53		.38					T			T	.21	.83	.07	T					.88	.53	T			.15	T	.01	T	T				
PRINCETON WATER WORKS	2.44		.41	.03							.03	.10	.88							.82				.02	.15								
RAHWAY	1.91		.16	.04				T			T	.12	.80		T					.70						.09							
RINGWOOD	2.36		.03	.36								.07	.74	.17							.82	T				.17							
SHILOH	1.93			.14								T	.72	.01						.70	.14			.21					T		.01		

DAILY TEMPERATURES

NEW JERSEY
FEBRUARY 1963

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC CITY WB AP	MAX	37	47	38	33	48	60	50	32	39	49	58	40	32	40	28	26	36	55	38	51	44	21	31	41	38	30	30	38				39.6	
	MIN	11	36	17	12	22	23	27	5	10	27	37	31	24	22	14	8	7	23	31	33	16	8	8	22	22	17	10	20				19.4	
ATLANTIC CITY	MAX	37	50	38	31	50	42	53	33	34	47	48	41	34	39	28	27	33	49	39	52	45	21	30	40	35	32	30	38				38.4	
	MIN	19	37	19	16	26	27	29	8	14	29	37	31	27	28	15	12	16	27	34	35	18	12	14	30	23	18	13	26				22.9	
AUOUBON	MAX	33	43	40	31	43	56	47	33	37	46	48	41	32	38	28	26	28	53	36	49	45	21	34	37	37	30	28	36				37.7	
	MIN	16	30	20	11	22	24	28	1	12	28	35	30	17	15	15	4	10	21	31	33	16	5	12	21	22	14	8	21				18.6	
BELLEPLAIN STA FOREST	MAX	35	48	44	31	44	58	50	45	38	47	57	51	33	38	39	38	36	51	46	52	58	23	40	40	38	25	28	39				41.9	
	MIN	5	32	20	7	18	20	23	8	5	24	33	37	31	15	19	7	0	14	26	30	21	8	1	15	15	16	10	15				17.0	
BELVIOERE	MAX	33	35	39	24	23	38	47	39	20	30	37	41	33	29	34	25	23	30	44	37	45	26	20	26	32	30	28	30				32.1	
	MIN	0	4	20	-2	2	13	12	-5	-5	5	25	31	22	15	14	4	-1	-1	21	24	24	2	3	5	7	4	-2	4				8.8	
BOONTON 1 SE	MAX	30	30	40	23	24	40	52	43	15	34	39	43	35	28	34	25	21	30	45	37	44	23	18	24	33	29	25	28				31.9	
	MIN	-1	5	20	1	4	17	18	-6	-6	11	26	31	23	14	15	5	4	6	24	27	22	4	6	8	15	10	2	7				11.1	
BURLINGTON	MAX	34	39	40	30	43	55	46	37	36	44	49	42	43	37	34	24	36	52	32	44	48	46	24	31	38	36	34	27	34				38.7
	MIN	15	29	22	11	24	25	29	1	12	29	34	33	25	24	19	8	9	23	32	32	20	13	9	22	23	14	8	24				20.3	
CANOE BROOK	MAX	31	34	40	24	25	42	51	44	16	36	40	45	35	29	35	25	23	33	49	37	45	24	24	30	35	32	26	29				33.5	
	MIN	-6	3	20	0	8	14	17	-5	-5	10	29	32	24	16	16	6	4	11	23	29	23	4	6	26	14	11	1	9				12.1	
CAPE MAY 3 W	MAX	35	45	42	28	36	40	41	38	31	42	48	42	34	41	40	27	34	47	44	46	46	25	31	37	35	35	25	40				37.7	
	MIN	20	33	25	13	25	27	28	12	15	28	34	33	27	28	22	12	10	28	33	32	22	12	17	26	28	18	14	22				23.0	
CHARLOTTEBURG	MAX	21	29	29	19	22	44	51	40	13	33	38	45	35	26	31	22	19	30	47	36	44	18	12	23	33	27	24	28				30.0	
	MIN	-8	11	17	-3	0	11	12	-9	-9	8	25	21	21	8	11	1	-6	-6	23	24	17	-2	1	4	12	7	-2	-2				6.7	
CHATSWORTH	MAX	32	48	45	30	46	57	53	42	38	47	52	49	34	39	37	24	37	52	50	50	49	22	29	40	36	35	27	36				40.6	
	MIN	10	31	22	8	23	21	23	4	7	26	33	33	25	13	17	6	1	16	25	29	21	8	10	15	19	11	5	12				16.8	
ELIZABETH	MAX	31	38	38	25	41	51	45	38	37	40	45	40	33	36	32	25	35	52	41	45	45	22	30	39	34	30	32	34				36.9	
	MIN	15	28	19	8	23	23	27	-3	10	29	33	33	26	20	18	8	9	23	27	33	20	7	9	18	18	13	8	18				18.6	
ESSEX FELS SERV BLDG	MAX	30	31	38	22	24	42	52	42	16	34	40	44	34	28	34	24	23	32	50	38	45	24	20	28	33	30	25	30				32.6	
	MIN	2	5	20	1	2	18	16	-6	-6	7	28	33	23	11	15	5	3	16	25	29	25	4	5	9	12	10	2	5				11.4	
FLMINGTON 1 NE	MAX	30	36	39	28	43	55	45	37	37	40	43	38	32	36	32	22	33	51	42	45	42	19	29	34	34	29	25	34				36.1	
	MIN	-4	21	21	0	13	14	20	-5	7	27	32	32	23	15	15	5	3	15	21	31	16	4	6	11	12	8	3	14				13.6	
FREEHOLD	MAX	30	45	38	29	42	53	46	17	36	43	53	43	33	37	26	25	36	53	39	48	46	20	31	39	35	31	28	35				37.0	
	MIN	7	28	18	8	22	24	28	-2	8	27	34	32	25	19	17	6	8	24	30	32	18	6	7	19	18	10	5	17				17.7	
HAMMONTON 2 NNE	MAX	29	39	46	31	34	47	55	47	19	41	49	52	37	32	39	26	27	38	54	36	50	30	21	37	39	38	21	29				37.3	
	MIN	9	17	17	11	12	24	25	4	3	12	31	36	25	22	18	7	9	21	25	31	29	8	8	13	19	13	8	10				16.7	
HIGH POINT PARK	MAX	24	32	32	31	20	40	47	43	14	29	38	39	35	24	25	19	15	28	45	38	40	11	14	22	26	22	21	22				28.4	
	MIN	6	8	4	-4	4	20	29	-18	-11	4	20	25	16	11	7	-4	-1	12	27	28	6	-1	-3	-1	8	-4	-8	2				6.5	
HIGHTSTOWN 1 N	MAX	30	39	39	25	41	50	45	36	35	42	48	39	33	37	34	24	35	53	42	47	45	19	29	39	33	31	25	34				36.8	
	MIN	3	28	19	8	22	23	26	-2	9	27	32	32	25	20	17	7	6	22	30	33	19	7	9	19	18	12	5	18				17.6	
INDIAN MILLS 2 W	MAX	33	46	40	30	43	55	46	36	36	46	50	41	32	38	33	24	36	52	40	50	46	19	29	38	37	33	27	35				38.3	
	MIN	1	30	20	8	20	20	24	2	9	26	34	32	25	19	18	7	3	21	26	31	19	8	4	19	19	12	6	16				17.1	
JERSEY CITY	MAX	29	37	36	25	39	51	45	24	32	40	45	39	30	35	27	24	33	49	39	45	42	20	28	38	33	27	30	32				34.8	
	MIN	14	26	14	9	25	31	32	2	11	29	34	31	26	23	13	8	15	25	32	34	14	8	10	24	21	14	9	12				19.8	
LAMBERTVILLE	MAX	33	36	39	28	42	54	44	37	36	42	44	38	32	36	32	24	36	50	41	48	45	20	30	35	35	31	27	34				36.8	
	MIN	3	27	19	6	17	19	24	4	10	28	32	32	24	18	17	7	6	18	26	33	19	7	9	12	18	12	6	19				16.7	
LAYTON	MAX	21	28	38	23	23	44	50	39	15	33	41	41	33	30	29	25	24	31	51	36	46	21	20	29	32	31	27	30				31.8	
	MIN	-12	-9	17	-10	-9	6	7	-10	-6	-5	25	29	20	3																			

Continued

DAILY TEMPERATURES

NEW JERSEY
FEBRUARY 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOMS RIVER	MAX	33	49	48	29	48	52	48	47	37	46	55	52	37	29	40	38	38	54	53	49	48	25	34	42	36	35	28	38				41.7
	MIN	2	30	22	9	21	20	22	2	9	24	25	36	25	15	18	7	0	18	22	32	22	8	4	15	19	13	8	17				16.6
TRENTON WB CITY	MAX	30	40	39	27	43	53	46	22	33	42	48	40	30	36	25	21	34	52	38	48	47	17	29	37	34	27	25	34				35.6
	MIN	17	28	13	9	25	28	22	-	2	10	27	35	29	25	23	12	7	13	25	32	34	12	8	11	22	20	13	7	22			
TUCKERTON	MAX	34	46	41	30	50	50	50	43	36	50	50	42	35	40	40	26	35	52	27	51	47	32	33	40	38	30	30	40				40.6
	MIN	18	33	23	5	20	20	23	3	9	25	34	34	25	21	19	7	2	17	27	32	21	8	10	12	20	15	9	18				18.2
WOODSTOWN	MAX	33	44	39	30	41	52	44	37	36	45	48	41	32	38	33	25	36	51	45	50	46	23	30	38	36	34	25	36				38.1
	MIN	6	29	12	12	21	24	25	-	6	11	25	34	31	24	19	12	7	7	20	27	32	19	9	10	5	20	12	7	17			

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	SNOWFALL SN ON GND	1	T					T														T				T	.2	T	T		.1		
BELVIOERE	SNOWFALL SN ON GND	8	.2	4	4	4	3	3	2	2	2	.5	1.0	1.8	T	.2	2	2	2	2	3.0	.1	2	2	2	2	4.0	.1	6	6	5		
CHARLOTTEBURG	SNOWFALL SN ON GND	9	9	7	7	7	5	4	4	4	.3	1.0	1.8	6	6	.5	6	6	6	6	6.0	.5	7	7	7	4.0	11	10	9	8			
FLEMINGTON 1 NE	SNOWFALL SN ON GND	12	T	9	7	7	6	3	3	2	1	T	T	1.0	T	T	T	T		5.0	T	T		3.0	5	4	.5	4	4	T			
FREEHOLO	SNOWFALL SN ON GND	4	2																	1.8	1					.3	T	1.3	T	T			
HIGHTSTOWN 1 N	SNOWFALL SN ON GND	4	2	2	2	T	T				T			T	T					2.5	2					.5	T	1.0	1	T	T		
INDIAN MILLS 2 W	SNOWFALL SN ON GND	1							T											.8	T					.6	T	1.0	T	T			
LAMBERTVILLE	SNOWFALL SN ON GND	4	3	3	2	2	1	1	T	T	T	T								2.0	1				1.0	1	1	1	T	T			
LITTLE FALLS	SNOWFALL SN ON GND	7	6	5	5	5	4	3	3	3	.4	3	1	1	1	.4	1	1	1	1	2.8	T	2	1	1	1	1.5	.3	2	2	1		
LONG BRANCH	SNOWFALL SN ON GND	4	T								T			T	T					1.0	T					.2	.8	1	T	T			
MAYS LANOING	SNOWFALL SN ON GND	1																								1.5	1	.4			.1		
MILLVILLE	SNOWFALL SN ON GND																								T						.5		
MILLVILLE FAA AP	SNOWFALL SN ON GND	1	1					T												T		T			-	.1	1	1		T			
MOORESTOWN	SNOWFALL SN ON GND	2	1	T	T	T	T														3.0	1				1.0	1	2.0	1.0				
MORRIS PLAINS 1 W	SNOWFALL SN ON GND		T	T							T	.7	.3	1.0	T	T					6.0	T				2.5	T	T					
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	5	5	3	3	2	2	T	T	T	T	T		T	.1	T				2.7		T	T			.4	.4	T	T				
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND	3	3					T												4.4	4				1.0	1	T	1.0	T				
NEWTON	SNOWFALL SN ON GND	9	9	7	7	7	6	5	5	5	5	5	8	7	7	7	7	7	7	7	5.0	.5	8	8	8	8	2.5	T	10	10	10		
PATERSON	SNOWFALL SN ON GND		T	T							T	T		T	T	T					2.7	T				.5	T						
PEMBERTON 3 E	SNOWFALL SN ON GND	1																		1.0	1												
PHILLIPSBURG	SNOWFALL SN ON GND											T	T	T	T	T	T	T	T	T	3.0	3	2	T	T	T	T	T	T	T			
PLAINFIELD	SNOWFALL SN ON GND	5	4	3	3	3	2	1			T			T	T	T					4.0	4	3	1	1	1	1.5	T	.2	T	T		
RAHWAY	SNOWFALL SN ON GND	5	4	3	2	1	1	T			T				T						2.8	3	1	T	T	T	.7	T	T	T			
SOMERVILLE	SNOWFALL SN ON GND	3	3	3	3	2	1				T				T						2.0	2				1.5	1	1			T		
TRENTON WB CITY	SNOWFALL SN ON GND	2	1	T	T	T	T				.1	T			T					2.0		.1				.3	.8	1	T	T			
WANAQUE RAYMONO OAM	SNOWFALL SN ON GND	7	7	7	6	6	6	4	4	4	4	.8	1.0	1.5	T	.3	5	5	5	4	3	3.0	6	5	4	4	4	5	5	5	5		

See reference notes following Station Index.

DAILY SOIL TEMPERATURES

NEW JERSEY
FEBRUARY 1963

STATION AND DEPTH		Day of month																															Average		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
NEW BRUNSWICK EXP STATION																																			
PLOT #1																																			
1 INCH	MAX	33	33	33	32	32	33	33	33	32	33	33	33	33	33	32	31	32	32	32	32	32	31	30	31	31	31	30	30					32.0	
	MIN	32	32	32	31	32	32	33	33	28	31	32	32	32	30	29	28	27	30	32	32	30	28	27	30	29	30	28	28					30.2	
2 INCHES	MAX	33	33	33	32	32	33	33	33	32	33	33	33	33	33	32	31	32	32	32	32	32	31	30	31	31	31	30	30					32.0	
	MIN	32	32	32	31	32	32	33	33	28	31	32	32	32	30	29	28	28	30	32	32	30	28	27	30	29	30	28	28					30.2	
4 INCHES	MAX	33	33	33	32	32	33	33	34	32	33	33	33	33	33	33	32	32	32	32	32	32	32	31	31	31	32	31	31					32.4	
	MIN	32	32	32	32	32	32	33	33	31	32	32	32	32	32	32	31	30	31	32	32	32	31	30	30	31	31	30	30					31.5	
8 INCHES	MAX	34	34	34	33	33	33	34	34	33	34	33	34	34	34	34	34	33	33	33	33	33	33	33	33	32	32	33	32	32					33.3
	MIN	33	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	33	33	33	32	32	32	32	32	32	31					32.7	
16 INCHES	MAX	36	36	35	35	35	35	35	36	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	33	33					34.6	
	MIN	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	33	33	33	33					34.2	
32 INCHES	MAX	38	38	37	37	37	37	37	38	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	35	35	36	36	35	35					36.6
	MIN	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	35	35	35					36.0	
PLOT #2																																			
1 INCH	MAX	32	33	34	33	32	34	34	33	32	33	33	33	33	33	32	31	31	33	33	33	33	32	31	30	31	31	30	30					32.3	
	MIN	31	32	32	32	31	33	33	26	21	30	33	33	33	31	23	18	19	25	32	32	32	23	19	26	29	28	25	27					28.2	
2 INCHES	MAX	32	33	33	33	32	34	34	33	32	33	33	33	33	33	32	30	31	32	33	33	33	32	30	30	31	31	30	30					32.1	
	MIN	31	32	32	32	31	33	33	27	21	30	33	33	33	31	23	19	19	26	32	32	32	24	20	26	29	28	25	27					28.4	
4 INCHES	MAX	32	33	33	33	32	34	34	33	32	33	33	33	33	33	33	30	31	32	33	32	32	32	30	30	31	31	30	30					32.1	
	MIN	31	32	32	32	32	33	33	31	24	30	33	33	33	33	24	22	22	27	32	32	32	27	23	27	30	29	27	28					29.4	
8 INCHES	MAX	33	33	33	33	32	33	33	34	32	33	33	33	33	33	33	31	31	32	32	32	32	32	30	30	31	31	30	30					32.1	
	MIN	32	32	32	32	32	33	33	32	29	32	32	33	33	33	31	28	27	30	32	32	32	31	28	29	30	30	29	29					31.0	

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	NW	14	10.7	32++	ENE	19	68	72	53	64	5	6	1	1	1	0	14	64	5.6
ATLANTIC CITY (ST. MARINA)	-	-	13.1	32	NNE	19+	-	-	-	-	-	3	2	1	1	0	7	-	-
LONG BRANCH	MISSING																		
NEWARK WB AIRPORT	WNW	14	11.9	32++	NNW	8 +	61	64	50	56	5	5	3	2	0	0	15	-	5.9
TRENTON WB CITY	NW	-	10.2	35	NW	3	-	-	-	-	3	6	1	2	0	0	12	56	5.2

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS	5597	MORRIS	8	41 01	74 32	950	7A				JERSEY CITY WATER WKS.	
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MIO	MIO			C HJ	U.S. WEATHER BUREAU	5728	BURLINGTON	2	39 58	74 58	55	MIO	8A			H. J. WILLARD	
ATLANTIC CITY	0326	ATLANTIC	1	39 27	74 36	10	MIO	MIO			C HJ	STATE MARINE	5769	MORRIS	8	40 50	74 30	400	8A	8A			H. JOSEPH H. GARRIS, III	
AUDUBON	0346	CAMDEN	2	39 34	75 04	50	11P	11P			H	IRVIN J. NYGREN	6026	ESSEX	1	40 42	74 10	11	MIO	MIO			U.S. WEATHER BUREAU	
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					H	N.J. FORESTRY SERVICE	6062	MIDDLESEX	1	40 28	74 26	86	5P	5P			ARTHUR H. AHLQUIST	
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST	6146	BERGEN	4	40 57	74 02	12		MIO			C HACKENSACK WATER CO.	
BELMAR	0721	MONMOUTH	1	40 09	74 04	40	8A				H	NEW MOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P			ST. MARYS SCHOOL	
BELVIDERE	0729	WARREN	2	40 50	75 05	275	7A	7A			H	CLEMENT HAUT	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C H NEWTON WTR. & SWR. COMM.	
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240	7A					BERNARDS WATER COMPANY	6460	PASSAIC	8	41 02	74 30	870		8A			NEWARK WATER DEPT.	
BLACKWELLS HILLS	0847	SOMERSET	10	40 29	74 35	27						HENRY M. MILLER	6544	HUNTERDON	10	40 40	74 45	260	8A				GAN A. COUGHLIN	
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS	6560	ESSEX	8	40 47	74 14	140	MIO				C COUNTY ENGINEER	
BOUND BROOK 2 W	0927	SOMERSET	10	40 33	74 34	50	8A					AMERICAN CYANAMID CO.	6775	PASSAIC	8	40 54	74 09	100	8A	8A			H P. J. DEL VECCHIO	
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580	7A					ALBERT M. OVENPORT	6843	BURLINGTON	2	39 58	74 38	80	5P	5P			H PHILIP E. MARUCCI	
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. & G. CO.	6974	WARREN	2	40 41	75 12	182	3P	3P			C H NEWTON WTR. & SWR. COMM.	
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040	8A					NEWARK WATER DEPARTMENT	6979	WARREN	2	40 42	75 12	196	9A				JOINT TOLL BRIDGE COMM.	
CANDE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.	7079	UNION	10	40 36	74 25	120	8P	8P			H MRS VIVIAN SCHERER	
CANTON	1343	SALEM	2	39 28	75 25	20						GERTRUDE S. WILLIS	7328	MERCER	10	40 20	74 40	60		MIO			C H PRINCETON WATER CO.	
CAPE MAY 3 W	1351	CAPE MAY	1	38 51	74 58	10	5P				C	WEST MAGNETITE CO.	7393	UNION	9	40 36	74 15	20		MIO			C H RANNEY VLY. SWG. AUTH.	
CEAR GROVE	1472	ESSEX	8	40 52	74 13	400	8A					J. A. PLUNKETT	7587	PASSAIC	8	41 08	74 16	305		10A			H. JERSEY WTR. SUPPLY	
CENTERTON	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UN.	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P			EVERETT DICKINSON	
CHARLOTTEBURG	1582	PASSAIC	8	41 02	74 26	760	7A	7A			H	NEWARK WATER DEPT.	8194	SOMERSET	10	40 34	74 37	75	6P	6P			H W. E. HAVER	
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD P. MOLITOR	8402	MORRIS	8	40 58	74 28	800		10A			JERSEY CITY O. & P. W.	
CHATHAM	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL M. KERCHNER	8423	UNION	1	40 43	74 18	-		7A			H. J. DEPT. OF CONS.	
CLAYTON	1708	GLoucester	6	39 39	75 06	120	6P				H	HARRY P. CAMBER	8644	SUSSEX	5	41 13	74 27	40	7A	7A			BRICE B. STANTON	
CLINTON	1749	HUNTERDON	10	40 38	74 54	280	8A					THOMAS L. HALPIN	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.	
ELIZABETH	2644	UNION	1	40 40	74 14	40	5P	5P				UNION CO. PARK COMM.	8883	MERCER	2	40 13	74 46	56	MIO	MIO			C HJ U.S. WEATHER BUREAU	
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MIO					SEWAGE TREATMENT PLANT	8899	OCEAN	1	39 36	74 20	10	6P	6P			C H REV. WALTER T. GANDER	
ESSER FELS SERV BLOC	2768	ESSEX	8	40 50	74 17	340	8A	8A				BOROUGH ESSER FELS	9187	PASSAIC	8	41 03	74 18	320	8A				C H WATER SUPPLY COMM.	
FLEMINGTON 1 NE	3019	HUNTERDON	10	40 31	74 51	140	5P	7A			H	DONALD YOUNG	9271	UNION	8	40 40	74 25	-		7A			C BONNIE BURN SANITARIUM	
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5	7A					JOHN LOPER	9363	HUNTERDON	10	40 27	74 48	160		7A			C ROBERT M. HANNERS	
FREEMOHL	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C H	FRANK J. MOREAU	9608	MORRIS	8	40 54	74 36	680	7A				C HJ U.S. WEATHER BUREAU	
GLASSBORO	3291	GLoucester	2	39 42	75 07	135						GLASSBORO STATE COLLEGE	9832	BERGEN	4	41 01	74 03	103		MIO			C H HACKENSACK WATER CO.	
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	860	7A					GEORGE T. WIGGINS	9910	SALEM	2	39 39	75 19	50	5P	5P			C CREAM VALLEY DAIRY	
HACKENSACK	3572	BERGEN	4	40 53	74 03	10					C	BERGEN COUNTY ENGINEERS												
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					W. HUBBARD PARKHURST												
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.												
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	340	10P	6P			C H	JAMES R. PICKERING												
INGHAM HILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100	7P	7P			H	EDWARD ENTWISTLE												
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	MIO					JOINT MEETING GARAGE												
JERSEY CITY	4339	Hudson	1	40 44	74 03	135	MIO	MIO				JERSEY CITY WATER DEPT.												
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P			H	E. E. CASE												
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MIO	MIO			C H	PUBLICATION ENDED 8/62.												
LAYTON	4736	SUSSEX	2	41 15	74 52	990	5P	5P				CHARLES KOONS												
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	40	150	9A			H	PASSAIC VLY. WTR. COMM.												
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MIO	MIO			C HJ	WILLIAM D. WTR. COMM.												
LONG VALLEY	5003	MORRIS	10	40 47	74 47	940	6P	6P			H	ARTHUR BARKMAN												
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	23					C	JAMES LAWTON												
MAGPINE INTAKE	5071	PASSAIC	8	41 01	74 26	584						INACTIVE 1/61												
MANHAW	5104	BERGEN	6	41 06	74 10	253	7A					ROBERT G. GLASSCO												
MANVILLE	5197	SOMERSET	10	40 33	74 34	50	8A					JOHN L. RADCLIFFE												
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C	GEROW BRILL												
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10	9A					COUNTY EXTENSION SVC.												
MIDLAND PARK	5503	BERGEN	6	40 59	74 09	210	MIO				C H	ROOSEWOOD WATER CO.												
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60	8A	MIO			C H	L. J. GALLAHER												
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MIO	MIO			H	FEIG AVIATION AGENCY												

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULICA; 8-PASSAIC; 9-RANNEY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Odelayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Omissions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and in the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Table", "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, R, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- R "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

No record in the "Supplemental Data" Table: "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

W Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

O Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Traps, an amount too small to measure.

Y Includes total for previous month.

X Observation is 1:00 a.m., E.S.T. of the following day.

NEW JERSEY

STATUTE MILES

75°W MERIDIAN TIME ZONE

NORTHERN

SOUTHERN

COASTAL

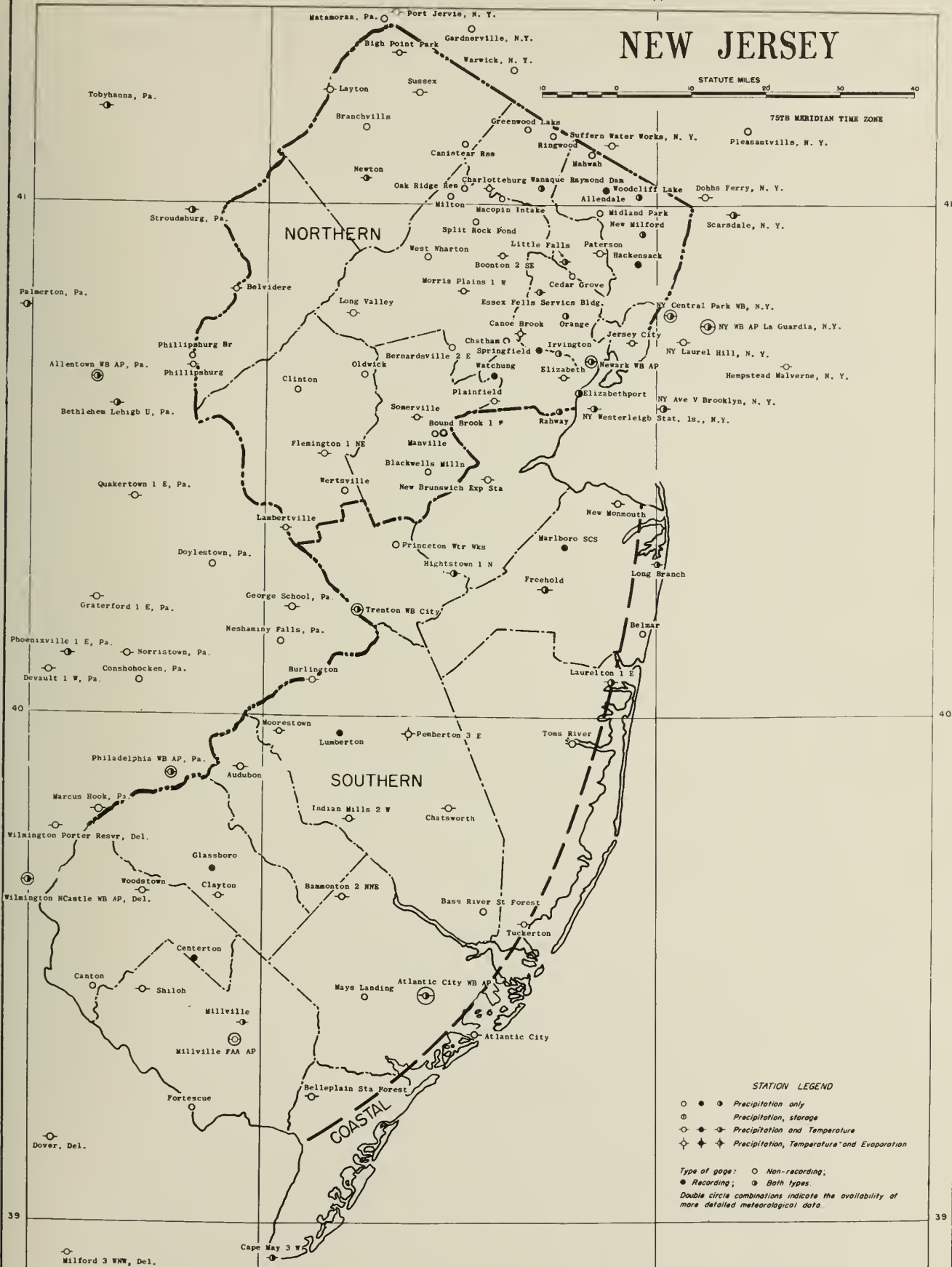
STATION LEGEND

- ● ● Precipitation only
- ○ Precipitation, storage
- ● ● Precipitation and Temperature
- ◆ ◆ ◆ Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;

● Recording; ○ Both types.

Double circle combinations indicate the availability of more detailed meteorological data.



551.05
1442

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

MARCH 1963
Volume 68 No. 3



ASHEVILLE: 1963

THE LIBRARY OF THE
MAY 22 1963
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 81° on the 30+ at 4 stations

Lowest Temperature: 1° on the 3d at Layton

Greatest Total Precipitation: 7.17 inches at Cape May 3 W

Least Total Precipitation: 1.83 inches at Paterson

Greatest One-Day Precipitation: 3.03 inches on the 12th at Cape May 3 W

Greatest Reported Total Snowfall: 11.0 inches at High Point Park

Greatest Reported Depth of Snow on Ground: 26 inches on the 2d at High Point Park

SPECIAL WEATHER SUMMARY

Temperatures throughout the State were above normal during March. This was a sharp contrast with the extremely cold winter months, and was the first month since June 1962 in which temperatures averaged above normal.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
MARCH 1963

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max. Min:								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										90° or Above	80° or Above	70° or Above	60° or Above											
NORTHERN																								
BELVIOERE	48.2	26.8	37.5	- 1.8	77	26	15	3	847	0	1	22	0	3.72	-	.36	.81	2	5.1	9	2	8	2	0
BOONTON 1 SE	46.8	29.2	38.0	0.7	73	27	12	1	829	0	2	21	0	3.70	-	.16	.88	2	5.5			8	1	0
CANOE BROOK	48.2	28.6	38.4	0.8	78	26	10	1	819	0	0	21	0	3.79	-	.51	.85	2	2.0	2	2	8	4	0
CHARLOTTEBURG	45.8	25.7	35.8	- 0.8	74	26	6	1	898	0	2	26	0	3.27	- 1.20	.85	2	9.5	14	2	8	3	0	
ELIZABETH	51.9	32.3	42.1	1.2	79	25	19	1	700	0	1	15	0	3.11	- 1.38	1.02	6	2.0	2	1	6	2	1	
ESSEX FELS SERV BLDG	47.8	29.9	38.9		79	26	12	1	801	0	1	21	0	3.40		.68	2	3.0			9	3	0	
FLEMINGTON 1 NE	52.5	29.4	41.0	0.9	80	25	11	1	738	0	1	20	0	4.34	.35	.93	6	3.0	6	1	8	4	0	
HIGH POINT PARK	42.3	25.2	33.8		75	26	10	1	960	0	4	25	0	2.92		.50	26	11.0	26	2	8	1	0	
JERSEY CITY	47.7	35.1	41.4	1.6	77	25	25	1	723	0	1	12	0	3.10	- .93	1.14	6	.9	0		9	1	1	
LAMBERTVILLE	52.7	31.4	42.1	2.3	79	25	18	1	703	0	0	16	0	3.76	- .30	.93	6	T	T	2+	9	2	0	
LAYTON	47.5	23.2	35.4		76	26	1	3	911	0	1	27	0	3.65		.75	2	7.3	18	2	8	2	0	
LITTLE FALLS	49.5	31.5	40.5	1.2	80	26	16	1	752	0	0	18	0	3.55	- .75	.93	2	4.5	3	3+	8	2	0	
LONG VALLEY					70	28								2.79	- 1.49								1	
MORRIS PLAINS 1 W	48.1	30.0 ^M	39.1 ^M		77	26	8	1	791	0	1	21	0	3.77		.83	2	8.0	4	2	8	2	0	
NEWARK WB AIRPORT	49.8	35.1	42.5	2.0	79	25	25	1	691	0	1	12	0	3.92	- .17	1.12	6	2.5	2	2+	11	2	1	
NEWTON	46.7	26.9	36.8	0.4	77	26	5	3+	871	0	1	23	0	3.30	- .15	.80	2	4.5	14	2	8	1	0	
PATERSON	49.9	33.8	41.9	2.4	81	26	23	1	708	0	0	12	0	1.83	- 2.62	.68	2	5.5	0		6	1	0	
PHILLIPSBURG					79	25	12	1	722	0	0	16	0	3.77		1.17	2	T	T	2	7	2	1	
PLAINFIELD	51.0	32.1	41.6	1.7	80	25	18	1	720	0	1	16	0	4.03	- .28	1.16	6	2.0			8	3	1	
SOMERVILLE	50.6	30.9	40.8	1.3	78	25	18	3+	745	0	1	15	0	3.58	- .39	.91	6	1.5	1	1	7	2	0	
SUSSEX	45.8	24.5	35.2	- 1.8	77	25	4	1	917	0	1	23	0	3.08	- .32	.71	2				8	1	0	
DIVISION			39.1	0.5										3.45	- .65			4.1						
SOUTHERN																								
ATLANTIC CITY WB AP	55.7	35.2	45.5	4.4	81	30	24	3	596	0	0	13	0	5.21	1.30	1.07	12	T	O		11	5	2	
AUDUBON	54.1	35.4	44.8		79	25	26	3	620	0	0	12	0	4.08		1.20	6	T	T	1	9	3	1	
BELLEPLAIN STA FOREST	59.3	32.2	45.8		81	30	20	3	590	0	0	17	0	6.27	1.85	1.57	12	T	O		7	5	4	
BURLINGTON	54.5	34.5	44.5	2.3	78	25	27	25	626	0	0	16	0	4.61	.27	1.20	6	.3	O		9	4	1	
CHATSWORTH	56.2	31.5	43.9		79	25	21	16	647	0	0	19	0	4.61		1.08	6	.0	O		7	5	1	
FREEHOLD	52.5	33.0	42.8	2.8	78	25	23	1	680	0	1	15	0	4.28	.04	1.14	6	.4	T	1	9	4	1	
HAMMONTON 2 NNE	55.4	34.7	45.1	3.2	81	26	27	16+	612	0	0	15	0	4.84	.58	.82	12+	.0	O		8	6	0	
HIGHTSTOWN 1 N	52.6	32.9	42.8	2.6	80	25	21	1	682	0	1	15	0	4.13	.31	1.20	6	.7	T	1	9	3	1	
INDIAN MILLS 2 W	54.5	33.1	43.8	3.1	79	25	21	16+	646	0	0	15	0	4.63	.35	1.33	6	T	T	1	7	4	1	
MILLVILLE	55.0	33.9 ^M	44.5 ^M		80	31	23	3	650	0	0	13	0	5.03		1.21	6	T	O		11	3	1	
MILLVILLE FAA AIRPORT	55.5	33.7	44.6		80	30	19	3	624	0	0	16	0	5.90		1.46	6	T	O		11	4	2	
WOORESTOWN	53.3	34.6	44.0	3.3	78	25	25	16	644	0	0	15	0	4.31	.50	.74	6	.5	O		8	4	0	
NEW BRUNSWICK EXP STA	51.8	33.3	42.6	2.4	79	25	22	1	686	0	0	15	0	4.11	.36	1.20	6	1.5	T	11+	9	3	1	
NEW MONMOUTH	52.4	33.2	42.8		80	25	21	1	681	0	0	16	0	4.72		1.26	6	T	O		9	4	1	
REMBERTON 3 E	55.2	32.7	44.0	2.4	76	25	21	3	645	0	0	14	0	3.50	- .35	1.24	6	T	T	11	6	2	1	
SHILOH	55.3	34.6	45.0	2.8	79	30	26	14+	614	0	0	14	0	5.07	1.31	1.50	6				8	4	1	
TOMS RIVER	56.6	31.6	44.1		79	25	20	16+	638	0	0	17	0	4.64		1.23	6	.4	O		7	4	1	
TRENTON WB CITY	51.6	35.0	43.3	2.6	78	25	26	1	664	0	0	11	0	4.02	.18	1.17	6	1.3	T	1	11	1	1	
TUCKERTON	55.5	33.3	44.4		80	30+	21	16	631	0	0	14	0	5.17		1.22	6	T	O		6	5	3	
WOOSTOWN	55.9	34.0	45.0		78	25	23	3	615	0	0	16	0	4.46		1.01	6	T	T	1	7	5	1	
DIVISION			44.2	3.3										4.68	.60			.3						
COASTAL																								
ATLANTIC CITY	52.3	37.0	44.7	3.6	74	28	28	3	622	0	0	9	0	5.30	1.29	1.25	12				11	3	2	
CAPE MAY 3 W	53.6 ^M	36.7 ^M	45.2 ^M		71	28	30	8+	605	0	0	0	0	7.17		3.03	12	T	O		6	4	3	
LONG BRANCH	49.4	34.0	41.7	1.9	79	25	25	16	715	0	0	14	0	4.92	.55	1.47	6	.5	T	1	10	4	1	
DIVISION			43.9	3.4										5.80	1.88			.3						

DAILY PRECIPITATION

NEW JERSEY
MARCH 1963

Station		Total	Day of Month																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ATLANTIC CITY WB AP	R	5.21	.26	.04		.33	.60	1.05				T	.13	1.07	T			.51	.20		.11	.41	T						.50	T			
ATLANTIC CITY		5.30	.38	.03		.20	.76	1.06				T	.13	1.25	T			.36	.28		.12	.42							.31				
AUDUBON		4.08				.33	.22	1.20				T	T	.60				.30	.25		T	.65							.15	T			
BASS RIVER ST FOREST		4.85				.30	.84	1.05						.1.05							.63		.52	T									
BELLEPLAIN STA FOREST		6.27	.03	.23			1.01	1.11						.03	1.57				1.29			.29	.02									.46	
BELMAR 2 SW		1.96			T	.40			.20				T						.50	T		.50	.20									.16	
BELVIDERE		3.72	T	.81			.43	.32	.71		T	T		.27	.01	.05			.22	T		.48	T		T							.42	
BERNARDSVILLE 2 E		4.00					.45	.50	.57					.49	.04							.46	.03									.29	
BLACKWELLS MILLS		3.42	.02				.48	.46	.60					.46	.06	.02						.52	.02									.32	
BOONTON 1 SE		3.70	T	.88			.28	.49	.39	T	T	.03	.43	T	.03				.36			.48	T									.13	
BOUND BROOK 2 W		4.46		.75			1.09	.54	.41			T		.50	T	.04			.42			.43											
BRANCHVILLE		3.67		.83			.12	.52	.57					.28	.01	.15			.28			.49										.28	
BURLINGTON		4.61	.30	.46		.20	.49	1.20					.05	.50	.05				.56			.50										.42	
CANISTEAR RESERVOIR		3.32		.85			.13	.43	.44			T		.29	.02	.05			.22	T		.52	.04									.30	
CANOE BROOK		3.79		.85			.28	.59	.42			.01		.50	.02	.01			.38			.50	.02									.21	
CANTON		4.33		.18			.91	.49	.56					.75					.72			.36	.06									.30	
CAPE MAY 3 W		7.17		.43			.1.48						.09	3.03	.02		.01		1.09		.04	.60	.01									.37	
CEAR GROVE		3.52		.82			.27	.45	.67					.42	.04	.05			.34			.46											
CHARLOTTEBURG		3.27					.85		.18	.22	.57			.35					.26			.52	.02										
CHATSORTH		4.61	.04	.38			.56	1.08						.98								.74										.29	
ELIZABETH		3.11	.25	.67			.05	.26	1.02			.01		.05	.06				.47			.05	T									.22	
ELIZABETHPORT		4.23	.66	.16			.26	.04	1.30			T	.17	.47	T				.22	.22		.13	.39									.21	
ESSEX FIELDS SERV BLDG		3.40		.68			.15	.25	.50	.40				.45					.30			.50										.17	
FLEMINGTON 1 NE		4.34	.23	.40			.09	.58	.93	T	T	T	.56		.09	T			.49	T		.55	T		T							.42	
FORTESCUE		5.84					.90	.87		.35				1.67					1.27			.35										.43	
FREEMOHL		4.28	.10	.62		.10	.33	1.14				T	T	.56		.01			.49			.65										.28	
GREENWOOD LAKE		3.51	T	.84			.13	.25	.60	T		T		.30	.08	.10			.23			.57	.10	T								.31	
HAMMONTON 2 NNE		4.84					.82	.77	.52					.82	.01				.59			.54										.40	
HIGH POINT PARK		2.92		.43			.06	.32	.38					.02	.44		.26					.33	.03									.50	
HIGHTSTOWN 1 N		4.13	.14	.57		.10	.36	1.20				.01	T	.49	T				.44			.62	T									.20	
INDIAN MILLS 2 W		4.63	.05	.35		.05	.56	1.33				T	.03	.64					.03	.49			.78									.32	
IRVINGTON		3.91	.71	.22			.32	.03	1.06				.22	.35	.01				.15	.20		.13	.32									.17	
JERSEY CITY		3.10	.09	.14		.24	.04	1.14				.04	.14	.37	.03				.16	.17		T	.44	T							.10		
LAMBERTVILLE		3.76	.11	.48		.17	.20	.93					.02	.47	.02	.01			.42			.54										.39	
LAYTON		3.65		.75			.08	.32	.46	.03		.03	.30	.04	.43				.18	.03		.50	.01									.49	
LITTLE FALLS		3.55					.28	.55	.30			.01	.39	.01	.02				.35	T		.46	.03									.22	
LONG BRANCH	R	4.92	.72	.22			.41	.05	1.47			.01	.10	.52	T				.26	.28		.06	.61	T								.21	
LONG VALLEY		2.79					.73		1.29																								
MAHAM		3.50		1.00			.15	.27		.52	T			.36	.02	.03			.26			.54	.11									.72	
MANVILLE		4.06		.50			.83	.54	.60					.50	.03	T			.38	T		.41	.02									.25	
MAYS LANDING		5.49		.34			.96	.84	.41					1.16					.73			.47	.05									.53	
MIDLAND PARK		3.08	.45	.02			.57		.98				.10	.23	.03				.11	.19		.01	.19	.02								.15	
MILLVILLE		5.03	.14	.02			.27	.67	1.21				.13	.92					.46	.32		.10	.34									.01	
MILLVILLE FAA AIRPORT		5.90	.18	.01		.33	.91	1.46				T	.18	1.05	T				.30	.43		.10	.37	T								.57	
MILTON		3.36		.95			.20	.44	.43	.03	.02			.28	.06	.03			.20			.35	.05									.32	
MOORESTOWN		4.31		.43			.56	.74	.43					.71	T	T			.42			.61										.41	
MORRIS PLAINS 1 W		3.77	T	.83			.30	.56	.39	T	T	T	T	.49	T	.03			.34	T		.47	.02									.34	
NEWARK WB AIRPORT	R	3.92	.55	.13		.24	.04	1.12			T		.17	.43	.01				.28	.21		.11	.39	T								.03	
NEW BRUNSWICK EXP STA		4.11	.10	.70		.10	.36	1.20						.47	.01				.45			.55	T									.21	
NEW MILFORD		3.25	.77	.13		.18		.89						.06	.26	.02				.10	.24		.04	.36								.20	
NEW MONMOUTH		4.72	.11	.86		.15	.33	1.26	.02					.56	.01	T			.48			.67	.01	T								.26	
NEWTON		3.30		.80			.20	.47	.39	T	T			.33	.02	.02			.20	T		.47	T									.40	
OAK RIDGE RESERVOIR		3.16		.77			.19	.32	.44					.29	.03				.22			.49	.07									.34	
OLWICK		3.62		.74			.37	.64	.28					.48	T	T			.35			.37	.06									.33	
ORANGE		3.57		.90			.22	.80												.83		.53	.07									.22	
PATERSON		1.83	T	.68			.21	.30			T		.06	.07	.18	.01	.02		.17	.03		.14	T									.03	
PEMBERTON 3 E		3.50	T	.39		.03	.48	1.24						.07	.38	.03	T		.42			.59										.28	
PHILLIPSBURG		3.77	T	1.17			.47	.45							.47	.45			.30			.50										.44	
PHILLIPSBURG BRIDGE		3.71		.71			.47	.45	.33					.34		.02					.30		.54									.55	
PLAINFIELD		4.03	.85			.35	T	1.16				T	T	.55	.02				.10	.37		.45										.18	
RAHWAY																																	

DAILY TEMPERATURES

NEW JERSEY
MARCH 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX MIN	46 29	46 30	51 24	59 33	45 37	51 37	48 34	53 30	62 29	54 37	40 30	53 38	57 38	50 33	50 27	52 28	68 45	59 37	41 30	54 36	42 31	46 30	50 29	63 28	79 47	66 45	63 46	75 45	57 44	81 42	67 42	55.7 35.2
ATLANTIC CITY	MAX MIN	46 31	45 30	46 28	48 37	46 37	50 38	50 35	53 33	52 39	54 40	54 37	56 38	51 34	47 29	46 35	60 45	58 38	39 31	52 36	42 32	48 31	50 35	53 35	64 48	52 45	62 45	74 47	53 44	68 43	61 45	52.3 37.0	
AUOUBON	MAX MIN	36 30	40 29	50 26	49 30	42 35	48 35	49 34	52 28	58 29	52 38	40 29	47 35	48 38	50 37	50 29	56 38	69 45	60 42	43 31	48 34	43 33	35 30	39 29	68 41	79 47	76 43	63 48	75 44	62 42	71 44	65 45	54.1 35.4
BELLEPLAIN STA FOREST	MAX MIN	37 28	47 33	51 20	59 26	53 37	57 42	51 32	55 23	60 25	57 29	53 23	53 32	58 37	57 39	62 25	51 25	69 40	64 45	52 29	55 34	49 27	49 27	67 24	76 32	75 44	63 41	76 34	73 43	81 37	78 43	59.3 32.2	
BELVIOERE	MAX MIN	35 17	29 18	39 15	42 16	43 29	42 33	44 33	45 24	45 23	47 25	48 25	38 23	38 33	39 23	46 22	50 23	49 22	44 23	45 24	46 28	43 25	46 22	51 22	65 23	77 29	72 36	72 36	58 34	71 32	60 34	54 40	48.2 26.8
BOONTON 1 SE	MAX MIN	32 12	31 20	37 18	43 16	44 32	40 33	43 33	42 27	43 26	50 33	48 25	35 26	39 33	42 33	43 25	47 23	49 29	44 38	44 37	37 31	41 28	43 23	46 23	63 31	72 38	73 41	55 36	68 32	57 37	58 42	46.8 29.2	
BURLINGTON	MAX MIN	35 28	38 32	50 28	52 31	45 37	48 38	49 32	52 31	55 35	54 30	46 32	44 33	47 37	49 36	49 28	55 46	66 42	62 40	46 34	48 32	45 34	46 30	67 28	78 26	76 50	64 44	74 42	68 43	68 43	67 42	54.5 34.5	
CANOE BROOK	MAX MIN	34 10	33 22	37 27	45 32	46 32	41 33	44 20	46 24	40 33	50 37	48 25	40 27	38 34	40 33	45 24	45 19	50 28	44 33	44 21	40 32	39 27	43 29	44 28	58 26	75 35	78 46	75 46	58 32	70 29	56 38	57 45	48.2 28.6
CAPE MAY 3 W	MAX MIN	40 31	45 23		49 30		48 36	46 35	48 30	48 32	50 39	49 32	52 34	53 38	52 37	44 33	49 31	64 40	44 43	48 33	48 35	44 36	44 37	58 34	68 44	58 44	56 44	71 43	69 45	67 42	68 49	53.6 36.7	
CHARLOTTEBURG	MAX MIN	30 6	30 14	35 14	44 16	47 28	47 28	40 24	41 26	43 26	47 32	45 21	33 21	36 32	40 33	38 23	40 19	44 25	51 31	42 21	45 21	36 29	38 27	40 24	43 23	64 31	74 31	71 34	55 33	65 31	57 31	49 41	45.8 25.7
CHATSWORTH	MAX MIN	35 29	36 32	50 23	56 27	45 35	54 32	48 34	53 23	61 25	56 39	53 26	49 31	50 37	50 35	49 24	52 21	69 40	68 45	50 27	48 34	46 29	47 29	48 27	79 32	75 40	62 42	74 33	71 41	75 32	66 42	56.2 31.5	
ELIZABETH	MAX MIN	32 19	37 28	46 23	47 30	43 38	44 34	39 35	51 27	57 27	54 38	45 26	41 34	47 32	48 33	49 25	52 25	50 38	49 39	47 26	39 33	43 30	48 31	62 28	79 33	78 41	64 43	73 40	68 40	61 40	66 41	51.9 32.3	
ESSEX FELS SERV BLOC	MAX MIN	35 12	32 21	37 18	45 25	47 32	40 32	44 22	44 25	47 27	50 34	48 26	36 34	37 33	40 33	44 22	45 22	45 30	47 37	45 23	45 30	37 28	40 28	44 26	46 23	65 35	79 44	75 45	59 40	70 32	56 43	57 45	47.8 29.9
FLEMINGTON 1 NE	MAX MIN	31 11	38 26	47 16	48 25	42 36	46 35	47 33	48 26	54 21	50 33	46 24	51 29	42 36	46 32	46 27	52 18	58 36	56 41	45 24	47 30	43 29	45 29	48 27	69 19	80 29	75 31	69 44	72 32	64 33	57 40	67 40	52.5 29.4
FREEMOLO	MAX MIN	32 23	37 30	49 25	55 29	41 35	45 35	49 34	50 28	56 31	52 33	44 26	39 30	45 36	47 33	47 24	42 26	64 38	54 41	44 25	42 33	40 29	46 29	66 26	78 41	75 47	75 45	73 43	64 39	67 38	62 45	52.5 33.0	
HAMMONTON 2 NNE	MAX MIN	37 27	42 30	38 27	51 29	56 39	44 35	57 35	49 29	53 30	60 37	55 28	48 27	47 37	52 27	49 27	50 20	58 42	45 38	53 43	43 31	40 30	47 29	57 28	68 35	81 42	75 47	63 40	75 43	65 40	62 40	80 47	55.4 34.7
HIGH POINT PARK	MAX MIN	22 10	24 15	34 12	42 15	45 27	39 26	31 21	38 29	40 29	42 27	40 15	32 18	36 27	37 16	40 22	42 25	36 18	36 23	40 18	42 22	35 22	38 22	41 19	57 25	75 36	66 43	59 39	62 30	58 35	58 42	42.3 25.2	
HIGHTSTOWN 1 N	MAX MIN	32 21	37 30	49 24	52 29	41 36	46 35	48 35	49 27	56 28	54 34	43 26	40 30	43 36	49 26	47 24	51 26	64 38	55 43	44 27	43 33	42 30	46 29	49 27	68 24	80 41	78 43	60 46	73 43	63 38	65 39	63 45	52.6 32.9
INOIAN HILLS 2 W	MAX MIN	35 29	37 31	50 21	55 28	44 35	54 35	48 32	53 25	59 26	53 45	45 31	48 39	49 36	47 36	54 21	70 39	64 43	43 26	46 34	42 31	46 30	67 28	79 29	75 35	60 49	60 46	73 44	60 44	74 40	67 42	54.5 33.1	
JERSEY CITY	MAX MIN	32 25	35 20	42 29	43 37	40 35	43 34	45 36	47 33	51 36	50 36	37 36	37 30	40 37	56 32	42 27	51 33	47 38	43 35	36 29	40 34	40 30	45 32	44 28	51 43	77 43	60 49	59 46	69 48	52 42	58 44	61 46	47.7 35.1
LAMBERTVILLE	MAX MIN	33 18	37 29	48 20	48 27	41 36	46 35	48 35	50 26	54 25	51 34	45 26	41 30	42 36	48 26	48 22	53 38	64 40	57 38	44 25	47 33	43 30	45 30	68 29	79 42	74 38	65 46	72 36	67 33	61 41	65 37	52.7 31.4	
LAYTON	MAX MIN	35 2	26 10	38 1	51 6	46 28	45 32	43 32	46 19	40 20	47 25	48 20	34 23	36 32	39 33	43 18	43 18	48 21	48 34	42 19	42 23	42 27	42 18	65 26	72 29	76 36	57 36	75 27	65 25	60 33	57 30	47.5 23.2	
LITTLE FALLS	MAX MIN	33 16	35 24	42 22	45 25	49 35	42 32	46 35	47 32	48 27	50 36	52 29	39 25	40 34	43 27	47 24	49 28	51 41	47 27	38 33	49 30	51 30	43 32	46 28	54 25	65 32	80 40	76 46	61 35	72 40	59 41	49.5 31.5	
LONG BRANCH	MAX MIN	40 26	36 29	49 26	50 31	41 35	47 36	48 33	50 30	54 32	51 35	38 27	42 36	41 36	46 35	46 28	53 25	50 39	40 28	39 34	42 30	46 31	45 29	52 27	79 43	58 43	60 46	72 46	46 40	69 52	60 44	49.4 34.0	
LONG VALLEY	MAX MIN																																
MILLVILLE	MAX MIN	38 29	47 31	38 23	51 28	57 34	46 36	56 32	50 25	54 27	59 33	55 30	50 30	50 38	54 39	48 28	49 29	54 46	69 46	53 31	42 33	53 33	43 33	47 28	46 28	65 41	77 46	73 46	72 46	61 35	64 38	80 43	55.0 33.9
MILLVILLE FAA AIRPORT	MAX MIN	46 29	43 25	49 19	56 27	45 37	54 40	50 30	54 25	57 24	55 36	42 30	51 38	54 38	48 32	48 25	53 20	71 35	57 38	41 32	53 36	42 32	47 30	47 28	66 26	77 32	72 47	61 42	73 38	64 43	80 42	66 41	55.5 33.7
MOORESTOWN	MAX MIN	35 29	37 28	49 27	50 32	41 36	47 36	48 34	51 27	58 29	53 36	39 28	44 39	47 37																			

DAILY TEMPERATURES

NEW JERSEY
MARCH 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	33	20	36	48	46	43	42	40	45	46	46	34	35	39	39	41	49	41	40	42	38	39	41	41	77	74	59	65	64	61	56	45.8
	MIN	4	11	8	8	26	33	32	21	21	29	21	21	31	33	19	20	21	33	20	23	28	29	24	20	20	35	35	30	34	34	37	24.5
TOMS RIVER	MAX	34	41	51	58	55	46	48	57	56	54	58	40	46	49	46	49	69	68	42	41	42	48	68	64	79	78	71	74	74	75	74	56.6
	MIN	28	30	20	26	36	35	35	22	27	41	24	30	37	35	25	20	39	25	26	35	31	29	27	22	29	42	44	40	41	40	39	31.6
TRENTON WB CITY	MAX	33	36	48	49	41	46	47	51	58	50	36	40	44	46	46	53	64	53	42	47	42	45	48	65	78	74	60	72	56	65	64	51.6
	MIN	26	29	27	33	35	35	36	32	34	36	27	36	36	34	28	30	39	34	29	33	31	34	30	32	43	50	47	45	41	41	42	35.0
TUCKERTON	MAX	37	40	52	50	45	52	50	53	60	55	50	50	50	50	50	47	65	61	50	51	49	50	50	60	80	60	62	75	70	80	66	55.5
	MIN	29	33	23	31	36	35	33	23	25	41	23	32	37	37	22	21	40	45	27	36	31	30	28	26	36	44	45	40	43	44	36	33.3
WOODSTOWN	MAX	35	39	50	54	45	52	48	52	57	53	48	49	48	49	49	54	71	67	49	52	43	47	48	67	78	75	63	75	74	76	66	55.9
	MIN	29	31	23	28	37	30	34	26	28	41	27	30	37	37	27	27	40	45	30	34	32	32	28	27	36	46	45	40	42	43	41	34.0

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

NEW JERSEY
MARCH 1963

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	SNOWFALL SN ON GND											T										T											
BELVIDERE	SNOWFALL SN ON GND	T 5	4.8 9	B	7	5	2	2	2	T 1	T	T	T	T	T						.3 T	T											
CHARLOTTEBURG	SNOWFALL SN ON GND	8	6.0 14	13	11	9	7	6	6	6	5	5	1.0 6	6	5	4	3	2			2.5 2	T 2	2										
FLEMINGTON 1 NE	SNOWFALL SN ON GND	2.0 6	1.0 4	T	T							T	T								T	T											
FREEHOLD	SNOWFALL SN ON GND	.4 T										T																					
HIGHTSTOWN 1 N	SNOWFALL SN ON GND	.7 T										T	T								T	T											
INDIAN MILLS 2 W	SNOWFALL SN ON GND	T										T																					
LAMBERTVILLE	SNOWFALL SN ON GND	T	T									T																					
LITTLE FALLS	SNOWFALL SN ON GND	1	2.8 3	3	2	1	1	T													1.5 2	.2 2	T										
LONG BRANCH	SNOWFALL SN ON GND	.5 T										T									T	T											
LONG VALLEY	SNOWFALL SN ON GND	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILLVILLE	SNOWFALL SN ON GND											T									T												
MILLVILLE FAA AP	SNOWFALL SN ON GND											T									T	T											
MOORESTOWN	SNOWFALL SN ON GND		.5										T								T												
MORRIS PLAINS 1 W	SNOWFALL SN ON GND	T	6.0 4					T	T	T		T	.5								1.5	T											
NEWARK WB AIRPORT	SNOWFALL SN ON GND	1.9	1	T									.2								.3	.1 T	T	T									
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND	1.5 T	T									T										T											
NEWTON	SNOWFALL SN ON GND	10	4.5 14	13	10	9	8	7	7	T 6	T 6	5	T 5	5	3	3	1	T	T			T T	T	T									
PATERSON	SNOWFALL SN ON GND	T	4.0						T				T								1.5	T											
PEMBERTON 3 E	SNOWFALL SN ON GND	T										T	T																				
PHILLIPSBURG	SNOWFALL SN ON GND		T T																														
PLAINFIELD	SNOWFALL SN ON GND	2.0 -	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	T	T	T	-	-	-	-	-	-	-	-	-	-
RAHWAY	SNOWFALL SN ON GND	2.3 1	1	T								T										T	T										
SOMERVILLE	SNOWFALL SN ON GND	1.5 1																															
TRENTON WB CITY	SNOWFALL SN ON GND	.9 T	T									.4									T	T											
WANAQUE RAYMONO DAM	SNOWFALL SN ON GND	5	6.0 8	6	6	4	3	1	1												1.5 2	1											

See reference notes following Station Index.

DAILY SOIL TEMPERATURES

NEW JERSEY
MARCH 1963

STATION AND DEPTH		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT # 1																																		
1 INCH	MAX MIN	31 29	31 31	32 31	32 32	32 32	32 32	32 31	32 31	32 31	32 31	32 31	32 31	33 33	34 32	36 35	36 32	36 32	38 34	36 33	36 33	35 34	36 34	38 34	38 34	43 34	49 38	51 42	49 46	52 44	49 44	48 44	50 44	37.7 34.6
2 INCHES	MAX MIN	31 29	31 31	32 31	32 32	32 32	32 31	32 31	32 31	32 31	32 31	32 31	32 31	34 33	35 32	35 32	34 32	37 34	35 33	35 33	35 34	36 34	38 34	38 34	42 34	47 38	50 42	48 46	51 44	48 44	48 44	50 44	37.2 34.6	
4 INCHES	MAX MIN	31 30	31 31	32 31	32 31	32 31	32 31	32 31	32 31	32 31	32 31	32 31	32 31	33 32	33 32	33 32	33 32	36 33	35 33	35 33	35 34	36 34	37 34	38 34	41 35	45 38	47 42	47 45	49 43	46 44	47 44	48 44	36.4 34.5	
8 INCHES	MAX MIN	32 31	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	33 33	33 33	33 33	33 33	34 34	35 35	35 35	36 36	36 36	37 37	38 38	42 39	47 42	50 45	47 44	49 46	46 44	48 44	48 44	36.0 34.9	
16 INCHES	MAX MIN	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	34 33	34 34	34 34	34 34	34 34	35 35	35 35	36 36	36 36	36 36	36 36	37 37	41 39	42 41	43 42	43 42	43 43	43 43	43 43	35.7 35.3	
32 INCHES	MAX MIN	35 35	35 35	35 35	35 35	35 35	35 34	35 34	35 34	35 34	35 34	35 34	35 34	36 34	36 35	36 35	36 35	36 35	36 36	36 36	37 36	37 36	37 36	38 36	41 39	42 41	43 40	43 38	44 40	40 40	41 40	41 41	36.3 35.8	
PLOT # 2																																		
1 INCH	MAX MIN	35 27	32 31	32 29	33 32	37 32	38 32	41 32	43 32	48 32	47 32	32 31	37 32	40 37	50 34	50 33	45 33	54 38	47 35	46 33	42 35	44 34	50 34	51 34	60 34	66 39	66 43	59 49	66 42	56 43	58 44	61 42	46.9 35.1	
2 INCHES	MAX MIN	31 27	31 30	32 32	32 30	36 32	38 32	40 32	42 32	46 32	45 32	32 31	37 32	40 37	49 34	49 33	44 33	53 38	46 35	46 35	41 35	43 35	49 35	49 35	58 40	64 43	65 49	58 42	64 44	55 44	57 44	59 45	46.0 35.2	
4 INCHES	MAX MIN	30 29	30 30	31 31	32 32	33 32	35 32	38 32	38 32	41 32	42 32	32 31	36 32	38 34	47 34	45 33	43 33	49 38	43 36	43 35	40 35	41 35	46 35	46 35	54 40	59 44	60 49	56 44	60 43	53 42	54 44	56 45	43.5 35.6	
8 INCHES	MAX MIN	30 30	31 30	32 31	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	32 32	35 33	37 33	37 33	38 36	41 38	38 36	38 37	38 36	41 36	41 36	46 36	49 41	52 45	51 48	53 45	48 45	50 45	51 48	38.8 35.9	

PLOT #1 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; KENTUCKY BLUEGRASS. INSTRUMENTATION; COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; BARREN. INSTRUMENTATION; BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
ATLANTIC CITY WB AIRPORT	WNW	12	11.0	41++	W	6'	74	76	49	62	4	1	6	3	2	0	16	55	6.1
ATLANTIC CITY (ST. MARINA)	-	-	11.6	41	NW	6	-	-	-	-	-	1	8	1	2	0	-	-	-
LONG BRANCH	NW	13	11.0	50	NW	6	-	67	58#	60	3	3	6	3	1	0	16	56	5.6
NEWARK WB AIRPORT	NW	12	11.2	32++	NNW	18+	70	72	54	61	5	3	9	1	1	0	19	-	6.3
TRENTON WB CITY	NW	-	9.7	35	SE	26	-	-	-	-	3	4	10	0	1	0	18	56	6.0

12:00 NOON

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER		
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL			
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS	MILTON	5597	MORRIS	8	41 01	74 32	950					JERSEY CITY WATER WKS.	
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58	MID	MID			C	MJ U.S. WEATHER BUREAU	MORRISTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A		H	H. J. WILLARD	
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10	MID	MID			C	J. STATE MARINA	MORRIS PLAINS 1 W	5749	MORRIS	8	40 50	74 30	400	8A	8A		H	JOSEPH H. GARRIS, III	
AUDUBON	0346	CAMDEN	2	39 54	75 04	50	11P	11P			H	IRVING J. NYGREN	MORRIS PLAINS 2 W	6026	ESSEX	1	40 42	74 10	11	MID	MID		C	U.S. WEATHER BUREAU	
BASS RIVER 57 FOREST	0528	BURLINGTON	1	39 37	74 26	20	9A				H	N.J. FORESTRY SERVICE	NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P		GH	ARTHUR H. AHLQUIST	
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30	5P					BELLEPLAIN STATE FOREST	NEW MILFORD	6146	BERGEN	4	40 57	74 02	12		MID		C	HACKENSACK WATER CO.	
BELMAR 2 SW	0721	MONMOUTH	1	40 09	74 04	40	8A				H	BELMAR WATER WORKS	NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P		C	ST. MARYS SCHOOL	
BERLIERE	0729	WARREN	2	40 50	75 05	275	7A				H	CLEMENT NAUGHT	NEWTON	6177	SUSSEX	2	41 03	74 45	545	8A	8A		C	NEWTON WTR. + SWR. COMM.	
BERNARDSVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240	7A				H	BERNARDS WATER COMPANY	OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870	8A	8A		C	NEWARK WATER DEPT.	
BLACKWELLS MILLS	0847	SOMERSET	10	40 29	74 35	27	7A					HENRY M. MILLER	OLDWICK	6544	HUNTERDON	10	40 40	74 45	260					DAN A. COUGHLIN	
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS	ORANGE	6560	ESSEX	8	40 47	74 14	140		MID		C	COUNTY ENGINEER	
SOUND BROOK 2 W	0927	SOMERSET	10	40 33	74 34	50	8A					AMERICAN CYANAMID CO.	PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A		H	P. J. DEL VECCHIO	
BRANCHVILLE	0978	SUSSEX	5	41 09	74 45	580	7A					ALBERT H. DAVENPORT	PENBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P		SP	PHILIP E. MARUCCI	
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P	6P				PUBLIC SVC. E. + G. CO.	PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P	3P		H	SEWAGE DISPOSAL PLANT	
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040	6A					NEWARK WATER DEPARTMENT	PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196					JOINT TOLL BRIDGE COMM.	
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.	PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P	8P		H	MRS. VIVIAN SCHERER	
CANTON	1343	SALEM	2	39 28	75 25	20	9A					GERTRUDE S. WILLIS	PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60				C	PRINCETON WATER CO.	
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	5P	5P			C	N.WEST MAGNETITE CO.	RAHWAY	7393	UNION	9	40 36	74 15	20		MID		C	RAHWAY VLT. SWG. AUTH.	
CEARO GROVE	1472	ESSEX	8	40 52	74 13	400	8A					J. A. PLUNKETT	RINDWOOD	7587	PASSAIC	8	41 08	74 16	305		10A			NO. JERSEY WTR. SUPPLY	
CENTERTON	1512	SALEM	6	39 31	75 10	80						C. JOHN MORRIS UN.	SHILON	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P			EVERETT OICKSON	
CHARLOTTEBURG	1562	PASSAIC	8	41 02	74 26	760	7A					NEWARK WATER DEPT.	SOMERVILLE	8194	SOMERSET	10	40 34	74 37	75	6P	6P		H	W. E. HAVER	
CHATHAM	1590	MORRIS	8	40 44	74 23	185	8A					EDWARD P. MOLTOR	SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800		10A		C	JERSEY CITY G. P. W.	
CHATSORTH	1598	BURLINGTON	1	39 49	74 32	100	5P	5P				EARL M. KERCHNER	SPRINGFIELD	8423	UNION	1	40 43	74 18					C	N. J. DEPT. OF CONS.	
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P				HARRY P. CAMPBELL	SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A		C	BRICE B. STANTON	
CLINTON	1749	HUNTERDON	10	40 38	74 34	280	8A					THOMAS L. HALPIN	TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P			TOMS RIVER WATER CO.	
ELIZABETH	2644	UNION	1	40 40	74 14	40	5P	5P				UNION CO. PARK COMM.	TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID		C	U.S. WEATHER BUREAU	
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10	MID					SEWAGE TREATMENT PLANT	TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P	6P		C	REV. WALTER T. GANDEK	
ESSEX FELL'S SERV BLDG	2768	ESSEX	8	40 50	74 17	340	8A	8A			C	BOROUGH ESSEX FELL'S	WANAQUE RAYMOND DAN	9187	PASSAIC	8	41 03	74 18	320				C	WATER SUPPLY COMM.	
FLEMINGTON 1 NE	3029	CUMBERLAND	12	39 34	75 10	50	7A					DONALD YOUNG	WATCHUNG	9271	UNION	8	40 40	74 25						ROBBIE BURN SANITARIUM	
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5	7A					JOHN LOPER	WERTSLEIGH	9363	HUNTERDON	10	40 27	74 46	160					BONNIE H. MANNERS	
FREEMOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	6P			C	FRANK J. MOREAU	WEST WHARTON	9608	MORRIS	8	40 54	74 36	680				C	N.J. POWER & LIGHT CO.	
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135	7A					GLASSBORO STATE COLLEGE	WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103				C	HACKENSACK WATER CO.	
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660	7A					GEORGE T. WIGGINS	WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P			CREAM VALLEY DAIRY	
HACKENSACK	3572	BERGEN	4	40 53	74 03	10	8A					BERGEN COUNTY ENGINEERS													
HANMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					W. HUBBARD PARKURST													
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A	8A				N. J. DEPT. OF CONS.													
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	6P			C	JAMES R. PICKERING													
INDIAN HILLS 2 W	4229	BURLINGTON	7	39 44	74 37	99	7P	7P				EDWARD ENTWISTLE													
IRVINGTON	4260	ESSEX	1	40 43	74 15	120	MID					JOINT MEETING GARAGE													
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135	MID	MID				JERSEY CITY WATER DEPT.													
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P	6P				E. E. CASE													
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20	MID	MID			C	PUBLICATION ENDED 8/62.													
LAYTON	4736	SUSSEX	2	41 15	74 52	390	5P	5P				CHARLES KOONS													
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A					PASSAIC VLT. WTR. COMM.													
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20	MID	MID				C. H. WILLIAMSON JR.													
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	6P	6P				ARTHUR BARKMAN													
LUMBERTON	5005	BURLINGTON	2	39 58	74 48	25					C	JAMES LAYTON													
MAGNOLIA	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61													
MANVILLE	5144	BERGEN	8	41 06	74 10	253	7A					ROBERT G. GLASGOW													
MANTLE	5187	SOMERSET	10	40 33	74 34	30	8A					JOHN L. RACLIFFE													
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120					C	GEORV BRILL													
MAYS LANDING	5346	ATLANTIC	3	39 27	74 44	10	9A					COUNTY EXTENSION SVC.													
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210	MID					RIDGEWOOD WATER CO.													
MILLVILLE	5576	CUMBERLAND	12	39 24	75 03	40	8A				C	H. L. J. GALLAGHER													
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70	MID	MID				H. FEO. AVIATION AGENCY													

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Station, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau water pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table", "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, R, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- R "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

→ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

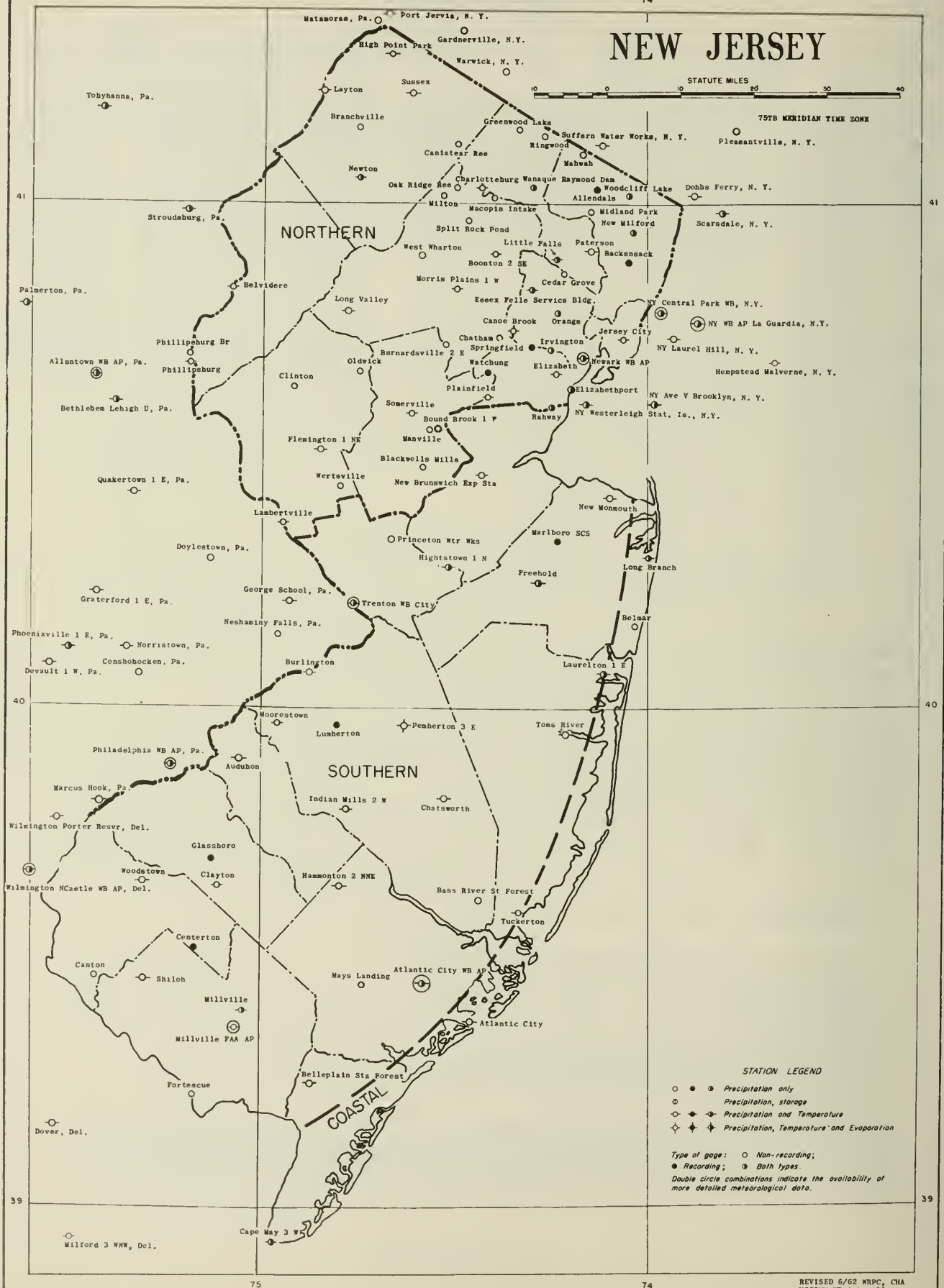
// Gage is equipped with a windshield.

AN This entry in time of observation column in Station Index means after rain.

D Data based on observational day ending before noon.

B Adjusted to a full

NEW JERSEY



57.05
1947

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

APRIL 1963
Volume 68 No. 4



ASHEVILLE: 1963

THE LIBRARY OF THE
JUN 20 1963
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 88° on the 4th at Hammonton 2 NNE and
on the 3d at Belleplain State Forest

Lowest Temperature: 20° on the 6th at Layton 2

Greatest Total Precipitation: 2.06 inches at Woodcliff Lake

Least Total Precipitation: 0.15 inch at Elizabeth

Greatest One-Day Precipitation: 1.25 inches on the 30th at Midland Park

Greatest Reported Total Snowfall: 1.0 inch at High Point Park

Greatest Reported Depth of Snow on Ground: Trace on the 23+ at 3 Stations

SPECIAL WEATHER SUMMARY

April was an extremely dry month, and the driest on record in several localities. Trenton had a total of only 0.83 inch of rain for the month, and 0.52 inch of that amount fell on April 30th. Trenton's records go back to 1866, and this was the driest April on record at that station.

The wind-driven forest fires of the 4th, 20th, and 21st were the worst in 40 years in central and southern New Jersey, with six deaths and numerous injuries attributed

to the fires, as well as the loss of many homes and business places.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
APRIL 1963

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										90° or Above	31° or Below	31° or Below	0° or Below											
NORTHERN																								
BELVIDERE	63.5	33.4	48.5	- 2.6	82	19	24	6	489	0	0	15	0	.74	- 3.40	.60	30	.1	0		1	1	0	
BOONTON 1 SE	61.0	38.0	49.5	0.5	78	3	30	26	460	0	0	4	0	1.08	- 2.78	.82	30	T	0		2	1	0	
CANOE BROOK	62.4	34.5	48.5	- 0.2	80	19+	24	8+	490	0	0	12	0	.72	- 3.30	.64	30	.0	0		1	1	0	
CHARLOTTEBURG	60.2	35.1	47.7	- 0.3	79	3	27	26+	510	0	0	11	0	.74	- 3.47	.36	30	T	T	9	2	0	0	
ELIZABETH	65.9	39.6	52.8	0.9	84	18	29	6	362	0	0	3	0	.15	- 3.80	.05	30+	.0	0		0	0	0	
ESSEX FIELDS SERV BLDG	63.2	35.9	49.6		81	3	26	6	472	0	0	9	0	.80		.56	30	.0	0		3	1	0	
FLEMINGTON 1 NE	64.5	34.5	49.5	- 1.7	82	19	21	6	458	0	0	13	0	.75	- 3.05	.39	30	T	0		3	0	0	
HIGH POINT PARK	61.0	34.2	47.6		80	4+	23	5	518	0	0	16	0	1.53		.84	23	1.0	0		3	1	0	
JERSEY CITY	59.7	43.1	51.4	0.9	79	18	32	5	401	0	0	1	0	.84	- 2.75	.63	30	.0	0		2	1	0	
LAMBERTVILLE	64.9	38.2	51.6	0.5	84	3	25	6	397	0	0	11	0	.45	- 3.19	.26	30	.0	0		1	0	0	
LAYTON 2	62.2	31.1	46.7		83	4+	20	6	542	0	0	17	0	1.09		.27	18	T	0		4	0	0	
LITTLE FALLS	65.1	39.0	52.1	1.4	82	19+	30	6+	384	0	0	4	0	1.17	- 3.09	.73	30	.0	0		4	1	0	
LONG VALLEY	62.4	32.8	47.6		81	4	22	6	513	0	0	15	0	.78	- 3.19	.63	30	.0	0		1	1	0	
MORRIS PLAINS 1 W	62.7	37.3	50.0		81	19+	28	6	442	0	0	5	0	1.18		1.07	30	T	0		2	1	1	
NEWARK WB AIRPORT	62.4	42.7	52.6	1.3	82	18	32	5	368	0	0	1	0	.90	- 2.61	.75	30	T	T	23+	1	1	0	
NEWTON	62.4	34.6	48.5	0.2	83	4	22	6	488	0	0	14	0	.83	- 3.00	.43	30	T	0		2	0	0	
PATERSON	63.8	41.1	52.5	1.4	81	19+	30	5	373	0	0	2	0	1.30	- 2.77	.69	30	T	0		3	1	0	
PHILLIPSBURG	69.0	38.0	53.5	2.8	84	18	27	6	342	0	0	6	0	.72	- 3.35	.61	30	.0	0		1	1	0	
PLAINFIELD	64.0	38.7	51.4	0.5	83	18	28	6	402	0	0	5	0	.87	- 3.00	.72	30	.0	0		2	1	0	
SOMERVILLE	63.6	36.6	50.1	- 0.5	81	18	24	6	437	0	0	11	0	.48	- 3.17	.36	30	.0	0		2	0	0	
SUSSEX	62.5	33.4	48.0	- 1.1	84	4	25	6	507	0	0	14	0	.85	- 3.10	.30	23	T	0		4	0	0	
DIVISION			50.0	0.0											.86	- 3.05				.1				
SOUTHERN																								
ATLANTIC CITY WB AP	63.3	41.7	52.5	1.5	85	3	30	6	375	0	0	1	0	1.39	- 2.02	.90	30	.0	0		4	1	0	
AUDUBON	65.9	41.3	53.6		87	3	30	6	346	0	0	1	0	1.07		.97	30	.0	0		2	1	0	
BELLEPLAIN STA FOREST	66.0	38.2	52.1		88	3	24	6	391	0	0	9	0	.92	- 2.55	.44	30	.0	0		3	0	0	
BURLINGTON	67.5	38.8M	53.2M	- 0.1	87	3	28	29	343	0	0	3	0	.76	- 2.68	.48	30	.0	0		2	0	0	
CHATSWORTH	65.4	36.9	51.2		85	3	22	6	415	0	0	10	0	.80		.42	30	.0	0		3	0	0	
FREEMOLD	63.1	37.8	50.5	- 0.3	81	18	28	5	428	0	0	6	0	.95	- 2.63	.55	30	.0	0		3	1	0	
HAMMONTON 2 NNE	65.1	40.1	52.6	0.3	88	4	29	6	370	0	0	2	0	1.07	- 2.53	.48	30	.0	0		5	0	0	
HIGHTSTOWN 1 N	64.2	38.2	51.2	0.3	85	18	28	6	407	0	0	6	0	.81	- 2.57	.37	30	.0	0		3	0	0	
INOIAN MILLS 2 W	63.8	36.7	50.3	- 1.1	87	3	21	6	442	0	0	9	0	.90	- 2.52	.53	30	.0	0		3	1	0	
MILLVILLE	64.5	42.1	53.3		86	4	29	6	350	0	0	1	0	1.23		.77	30	.0	0		3	1	0	
MILLVILLE FAA AIRPORT	64.1	40.4	52.3		84	3	25	6	381	0	0	4	0	1.36		.78	30	T	0		4	1	0	
MOORESTOWN	63.9	39.9	51.9	0.5	86	3	27	6	390	0	0	3	0	.60	- 2.84	.32	30	.0	0		1	0	0	
NEW BRUNSWICK EXP STA	64.5	39.2	51.9	0.8	82	18	30	6	388	0	0	2	0	.65	- 2.83	.40	30	.0	0		2	0	0	
NEW MONMOUTH	65.1	39.0	52.1		83	18	29	6	381	0	0	5	0	.68		.49	30	.0	0		2	0	0	
PEMBERTON 3 E	63.2	36.9	50.1	- 2.2	83	3	25	6	442	0	0	10	0	.67	- 2.78	.31	30	.0	0		3	0	0	
SHILOH	64.4				85	3				0	0	0		.82	- 2.29	.34	30	.0	0		3	0	0	
TOMS RIVER	65.2	36.3	50.8		84	19	27	29+	420	0	0	13	0	.97		.55	30	.0	0		3	1	0	
TRENTON WB CITY	63.0	42.3	52.7	1.0	85	3	32	5	367	0	0	1	0	.83	- 2.38	.52	30	.0	0		2	1	0	
TUCKERTON	63.7	38.7	51.2		83	18	28	29	408	0	0	7	0	.98		.61	30	.0	0		3	1	0	
WOODSTOWN	65.8	39.2	52.5		87	3	26	6	378	0	0	7	0	1.03		.64	30	.0	0		3	1	0	
DIVISION			51.9	0.5											.92	- 2.53				T				
COASTAL																								
ATLANTIC CITY	R 60.7	44.0	52.4	2.5	86	3	36	8+	377	0	0	0	0	1.38	- 2.00	.86	30				4	1	0	
CAPE MAY 3 W	R 60.8M	45.9M	53.4M		80	4+	38	6	345	0	0	0	0	.59		.30	23	.0	0		2	0	0	
LONG BRANCH	R 60.1	40.2	50.2	0.6	82	18	31	6	440	0	0	1	0	.96	- 2.67	.62	30	.0	0		2	1	0	
DIVISION			52.0	2.0											.98	- 2.34								

See Reference Notes Following Station Index

NEW JERSEY
APRIL 1963

SNOWFALL AND SNOW ON GROUND

See reference notes following Station Index

DAILY TEMPERATURES

NEW JERSEY
APRIL 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY W8 AP	MAX	51	80	85	72	53	55	63	60	52	47	53	65	66	64	63	66	58	82	68	81	69	67	52	57	61	64	64	61	59	60	63.3	
	MIN	38	49	46	41	36	30	42	34	42	39	39	40	39	42	36	35	48	52	50	58	48	47	43	43	35	38	40	37	35	50	41.7	
ATLANTIC CITY	MAX	50	67	86	72	53	52	47	58	48	50	54	65	62	64	59	59	53	83	60	80	66	63	52	56	60	62	58	61	53	58	60.7	
	MIN	44	49	46	41	36	37	47	36	43	37	39	40	41	42	40	38	50	52	53	56	51	50	46	43	37	43	43	41	47	52	44.0	
AUDUBON	MAX	53	79	87	70	54	61	67	61	48	51	55	67	66	65	64	67	63	83	82	80	73	65	55	58	62	66	69	70	69	67	65.9	
	MIN	39	49	46	36	34	30	38	35	42	35	35	41	40	37	40	40	47	51	49	59	45	46	43	43	39	40	46	40	35	50	41.3	
BELLEPLAIN STA FOREST	MAX	52	80	88	75	56	60	63	61	56	50	56	65	67	65	65	67	65	83	81	83	78	66	58	58	63	65	66	65	64	60	66.0	
	MIN	35	49	50	48	37	35	24	41	29	40	35	39	37	32	33	26	26	39	45	63	43	50	42	40	27	29	31	38	28	50	38.2	
BELVIDERE	MAX	66	50	73	81	62	50	60	68	61	57	50	53	65	65	62	62	67	63	82	77	76	69	58	49	55	59	62	66	70	67	63.5	
	MIN	34	36	45	42	29	24	26	27	28	34	35	36	29	28	27	28	30	47	39	45	39	39	37	38	33	29	28	30	30	31	33.4	
BOONTON 1 SE	MAX	63	53	78	70	61	48	57	66	58	57	46	51	63	64	60	60	66	62	75	70	73	65	56	47	52	56	59	63	64	68	61.0	
	MIN	33	41	48	41	31	34	33	32	32	35	37	41	42	38	38	35	44	46	41	48	41	40	38	38	37	30	34	36	33	42	38.0	
BURLINGTON	MAX	59	78	87	68	65	71	66	66	65	63	54	65	67	64	63	67	62	83	81	79	74	67	61	56	68	65	68	69	71	64	67.5	
	MIN	39	48	48	54	47	34	32	36	37	36	30	34	35	36	38	35	46	39	38	36	44	47	40	40	38	40	40	28	45	38.8		
CANOE BROOK	MAX	63	52	80	68	63	50	60	67	59	56	47	54	64	65	61	61	67	63	80	76	76	68	57	48	53	57	60	64	65	68	62.4	
	MIN	32	40	48	42	30	24	33	24	37	35	37	40	27	26	25	25	45	42	35	40	36	40	38	40	37	27	27	29	47	34.5		
CAPE MAY 3 W	MAX	58	80	80	62	52	56	56	52	48	52	57	60	60	58	61	61	68	68	69	71	64	57	54	56	62	64	60	57			60.8	
	MIN	42		42	51	40	38	45	41	44	40	42	45	46	46	46	47	47	49	54	54	53	51	43	45	45	46	46	47	51		45.9	
CHARLOTTEBURG	MAX	62	54	79	69	62	48	59	65	57	54	43	48	62	63	58	60	64	60	76	71	72	66	55	45	50	55	58	62	64	68	60.2	
	MIN	30	31	49	39	27	26	36	30	30	33	31	35	37	41	31	31	43	43	39	46	41	41	36	35	36	34	27	30	35	39	35.1	
CHATSWORTH	MAX	60	78	85	71	56	61	65	64	58	59	53	66	66	64	64	66	60	81	77	80	75	65	57	56	61	64	65	65	63	58	65.4	
	MIN	32	42	50	42	32	22	34	34	41	41	34	34	45	37	37	26	28	42	40	61	39	45	41	40	62	37	29	30	28	37	36.9	
ELIZABETH	MAX	59	79	74	70	53	63	68	63	58	51	53	68	69	69	65	69	64	84	77	80	70	62	56	57	62	65	67	70	69	63	65.9	
	MIN	37	45	48	40	31	29	35	32	41	35	37	38	40	36	35	34	45	46	46	51	42	42	41	43	37	37	35	37	35	59	39.6	
ESSEX FELLO SERV 8LDG	MAX	64	54	81	67	65	49	60	67	60	55	46	50	64	66	62	62	67	62	79	70	77	67	58	46	55	58	62	65	61	68	63.2	
	MIN	34	40	46	41	29	26	36	28	36	34	36	37	31	30	28	30	41	42	42	49	40	39	38	38	33	31	30	33	34	45	35.9	
FLEMINGTON 1 NE	MAX	66	50	79	78	65	61	62	68	61	56	50	53	64	65	62	61	68	63	82	79	78	70	59	49	56	59	63	66	69	69	64.5	
	MIN	31	36	47	43	31	21	28	31	39	34	35	38	30	36	34	32	41	42	45	35	48	38	41	36	39	29	28	25	28		34.5	
FREEHOLD	MAX	54	76	68	68	51	60	66	60	51	49	51	65	66	62	61	66	62	81	76	78	72	60	56	56	60	63	65	66	66	59	63.1	
	MIN	35	45	44	40	28	29	37	32	37	33	34	37	35	34	32	33	34	46	47	49	44	41	41	40	34	38	34	32	31	45	37.8	
HAMMONTON 2 NNE	MAX	66	53	80	88	71	52	62	67	61	50	51	54	61	65	64	62	66	64	83	80	80	72	60	54	56	61	65	66	68	70	65.1	
	MIN	30	39	51	43	34	29	40	33	40	35	38	39	40	38	38	36	45	50	48	54	46	46	41	42	35	37	40	39	34	42	40.1	
HIGH POINT PARK	MAX	64	55	80	80	60	59	59	62	62	55	44	44	59	61	58	57	65	58	76	68	71	68	52	52	48	54	60	62	68	68	61.0	
	MIN	39	41	52	38	23	26	37	24	32	26	26	33	32	30	29	31	44	43	39	44	43	30	30	29	31	30	32	34	38	40	34.2	
HIGHTSTOWN 1 N	MAX	54	78	76	68	52	60	66	59	56	49	53	67	66	64	62	63	61	85	76	79	71	60	54	56	61	63	65	66	70	61	64.2	
	MIN	34	46	49	41	31	28	37	31	37	34	36	39	36	32	33	33	45	48	42	50	46	42	41	43	33	34	35	31	31	49	38.2	
INDIAN MILLS 2 W	MAX	50	79	87	70	51	60	67	58	49	48	53	65	64	62	61	66	61	81	78	79	69	67	54	55	63	63	64	68	67	60	63.8	
	MIN	32	48	49	42	33	21	33	27	41	35	39	36	33	30	27	27	43	49	38	54	37	45	40	42	29	33	28	34	26	49	36.7	
JERSEY CITY	MAX	47	71	69	66	49	59	58	60	49	45	50	65	65	61	62	62	57	79	63	77	60	58	47	54	59	61	61	64	56	56	59.7	
	MIN	43	45	41	36	32	37	41	38	40	40	38	43	46	44	39	42	47	48	51	52	54	44	41	43	41	44	44	46	45	49	43.1	
LAMBERTVILLE	MAX	57	78	84	66	53	61	67	60	57	50	53	65	66	63	62	67	63	82	81	77	72	65	56	56	60	58	66	70	68	63	64.9	
	MIN	34	46	47	41	32	25	32	28	39	34	38	37	33	31	31	30	46	50	40	52	39	42	40	44	32	63	29	32	31	49	38.2	
LAYTON 2	MAX	66	46	83	83	63	49	62	65	58	56	44	51	63																			

DAILY TEMPERATURES

NEW JERSEY
APRIL 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	66	55	81	84	62	47	63	65	57	58	46	51	62	65	60	61	70	64	76	78	74	68	56	45	50	54	57	64	67	70	62.5	
	MIN	33	35	45	42	27	25	27	27	35	32	30	34	32	29	29	29	34	43	36	42	44	38	33	34	34	26	30	30	32	34	33.4	
TOMS RIVER	MAX	62	77	76	69	66	77	66	65	57	47	52	67	67	64	63	61	60	81	84	75	78	63	56	57	58	59	62	62	63	62	65.2	
	MIN	29	45	51	38	32	46	37	30	39	32	30	37	32	29	30	27	44	47	37	35	36	44	44	42	34	31	29	28	27	47	36.3	
TRENTON WB CITY	MAX	50	77	85	66	52	60	65	59	50	48	53	65	64	63	60	66	60	81	79	77	70	64	50	53	57	60	64	65	67	61	63.0	
	MIN	38	48	42	38	32	36	41	37	39	35	39	41	43	43	41	41	48	50	52	56	50	43	41	43	37	42	41	43	40	49	42.3	
TUCKERTON	MAX	54	80	82	72	59	54	61	55	55	50	55	66	65	65	61	60	61	83	78	81	75	64	57	57	60	64	60	60	60	56	63.7	
	MIN	38	47	46	40	38	31	43	31	40	35	35	38	37	35	32	31	41	49	45	50	39	47	44	42	35	31	33	31	28	49	38.7	
WOODSTOWN	MAX	57	80	87	75	55	60	66	61	56	48	56	65	66	65	63	68	62	83	79	78	70	63	57	57	62	66	67	69	66	67	65.8	
	MIN	36	48	51	42	34	26	35	29	40	36	39	40	35	31	30	29	43	47	48	65	40	45	40	40	45	32	34	37	30	49	39.2	

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT # 1																																	
1 INCH	MAX	46	55	55	53	46	49	51	51	48	46	46	51	54	52	53	55	50	57	57	58	55	56	50	51	52	53	56	59	57	55	52.6	
	MIN	42	45	48	44	41	40	43	42	44	42	42	42	43	45	45	43	48	48	48	51	49	49	46	46	44	45	44	45	46	50	45.0	
2 INCHES	MAX	45	53	53	52	46	46	50	50	48	46	46	50	52	52	52	54	50	56	56	57	55	55	50	50	51	52	54	57	55	54	51.6	
	MIN	42	45	48	45	41	40	43	42	44	42	42	42	43	45	45	43	48	48	48	51	50	49	46	46	44	45	44	45	46	50	45.1	
4 INCHES	MAX	44	50	51	50	46	46	49	49	47	46	45	48	50	49	50	52	49	53	54	55	54	53	50	50	50	50	52	54	53	53	50.1	
	MIN	43	45	48	44	43	41	43	42	44	43	42	42	42	45	45	43	48	48	48	50	50	47	46	45	45	45	45	46	47	51	45.4	
8 INCHES	MAX	44	48	49	49	45	44	46	46	45	45	45	46	48	46	46	49	48	51	51	52	52	51	50	48	48	49	50	51	51	51	48.2	
	MIN	44	44	48	48	44	43	44	43	45	44	43	43	44	44	44	45	47	48	48	50	50	50	48	47	47	47	47	48	48	48	46.2	
16 INCHES	MAX	43	44	45	45	45	44	45	45	45	45	44	44	45	45	45	47	47	47	48	49	49	49	49	48	48	48	48	49	49	49	46.5	
	MIN	42	43	45	45	44	44	44	43	44	44	44	43	44	44	44	45	46	47	47	48	49	49	48	47	47	47	47	48	48	48	45.7	
32 INCHES	MAX	42	42	43	43	43	44	44	44	44	44	44	44	44	44	44	45	46	46	46	46	47	47	47	47	47	47	47	47	47	48	48	45.2
	MIN	42	42	42	42	43	43	43	42	43	44	44	43	43	44	44	44	45	45	45	45	46	46	46	46	47	47	47	47	47	47	47	44.6
PLOT # 2																																	
1 INCH	MAX	53	72	64	62	56	65	63	68	60	58	58	68	75	72	73	78	62	77	71	81	73	72	53	62	65	71	79	82	81	61	67.9	
	MIN	39	47	47	37	35	35	39	36	43	38	41	38	40	40	36	40	51	51	49	53	50	47	44	43	38	43	40	43	44	53	42.7	
2 INCHES	MAX	52	70	63	61	54	63	62	66	58	55	56	66	73	70	70	76	61	75	74	79	71	71	53	60	63	70	76	80	78	60	66.2	
	MIN	40	47	47	37	35	35	39	36	43	38	41	38	40	41	38	40	51	51	49	54	51	48	45	43	39	43	41	44	45	53	43.1	
4 INCHES	MAX	50	65	61	59	52	59	59	61	56	53	54	62	68	69	66	70	59	70	70	74	68	67	55	57	61	65	70	74	73	59	62.9	
	MIN	41	47	49	37	38	37	41	38	44	40	41	39	42	44	41	43	52	52	50	54	51	50	46	44	42	44	43	46	47	54	44.6	
8 INCHES	MAX	49	56	55	54	47	48	51	52	51	49	49	54	58	56	56	60	59	62	62	64	61	60	56	54	55	57	60	64	64	57	56.0	
	MIN	44	46	51	47	43	41	44	44	45	43	43	43	46	48	46	46	53	52	53	55	55	53	50	47	45	47	48	49	51	55	47.8	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A.M. EST	7:00 A.M. EST	1:00 P.M. EST	7:00 P.M. EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	NW	16	11.6	35++	WNW	4	60	62	36	50	3	4	3	1	0	0	11	66	5.7
ATLANTIC CITY (ST. MARINA)	-	-	13.3	49	WNW	20	-	-	-	-	-	4	3	1	0	0	-	-	-
LONG BRANCH	NW	13	10.3	62	NW	4	-	70	56	58	4	4	1	1	0	0	10	74	4.4
NEWARK WB AIRPORT	NW	20	13.3	42++	WNW	4	51	59	36	42	9	3	0	1	0	0	13	71	5.6
TRENTON WB CITY	NW	-	11.4	40	NW	4	-	-	-	-	5	4	1	1	0	0	11	71	5.5

\$ 12:00 NOON

See Reference Notes Following Station Index

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL		
										(SEE NOTES)		
ALLIANCE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1	39 27	74 35	58					C HJ	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	10					J	STATE MARINA
AUDON	0118	CAMDEN	2	39 34	75 04	50					11P	IRVING H. MYRON
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					9A	H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30					5P	BELLEPLAIN STATE FOREST
BELMAR 2 SW	0721	MONMOUTH	1	40 09	74 04	40					8A	BELMAR WATER WORKS
BEVERLY	0729	WARREN	2	40 50	75 05	275					7A	HAURY
BERNARDVILLE 2 E	0797	SOMERSET	8	40 43	74 32	240					7A	BERNARDS WATER COMPANY
BLACKWILLS MILLS	0847	SOMERSET	10	40 29	74 35	27					7A	HENRY M. MILLER
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280					8A	JERSEY CITY WATER WORKS
BOUND BROOK 2 W	0927	SOMERSET	10	40 33	74 34	50					7A	AMERICAN CYANAMID CO.
BRANFORDVILLE	0978	SUSSEX	1	41 09	74 45	180					8A	ALBERT W. DAVENPORT
BURLINGTON	1213	BURLINGTON	2	40 04	74 53	12					6P	PUBLIC SVC. E. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040					8A	NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180					9A	COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20					9A	GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10					5P	C. WEST MAGNETITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	40					8A	J. A. PLUNKETT
CENTERHOM	1512	SALEM	6	39 31	75 10	80						C JOHN HOPKINS UNL.
CHARLOTTEBURG	1582	PASSAIC	8	41 02	74 26	760					7A	H NEWARK WATER DEPT.
CHATHAM	1590	MORRIS	8	40 44	74 23	185					8A	EDWARD P. MOUTON
CHATSWORTH	1598	BURLINGTON	1	39 49	74 32	100					5P	EARL W. KERCHNER
CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120					6P	H HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 54	280					8A	THOMAS L. HALPIN
ELIZABETH	2644	UNION	1	40 40	74 14	40					5P	UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10					MID	C SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLDG	2768	ESSEX	8	40 50	74 17	340					8A	C BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10	39 31	74 51	140					5P	H DONALD YOUNG
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5					7A	JOHN LOPER
FREEMOLD	3181	MONMOUTH	10	40 15	74 17	194					6P	C H FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135					7A	C GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660					7A	C GEORGE T. WIGGINS
HACKENSACK	3752	BERGEN	4	40 53	74 03	10					8A	C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85					8A	W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570					8A	N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100					6P	C JAMES R. PICKERING
INDIAN MILLS 2 W	4229	BURLINGTON	7	39 48	74 47	100					7P	H EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120					MID	C JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135					MID	C JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75					6P	H E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20					MID	C H PUBLICATION ENDED 8/62.
LAYTON 2	4736	SUSSEX	2	41 15	74 52	390					7A	C CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150					9A	C H PASSAIC VLY. WTR. CO.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20					MID	C HJ WILLIAM D. MARTIN JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540					7A	H MISS PEARL HINSHAW
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25					8A	C JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						C INACTIVE 1/61
MAMAM	5104	BERGEN	8	41 06	74 10	253					7A	C ROBERT G. GLASSGOW
MARVILLE	5197	SOMERSET	10	40 33	74 34	50					8A	C JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1	40 20	74 14	120						C GEROW BRILL
MAYS LANDING	5346	ATLANTIC	3	39 27	74 14	10					9A	C COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8	40 59	74 09	210					MID	C RIDGEWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60					MID	C H L. J. GALLAHER
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70					MID	C H FED. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 03	74 32	950					7A	JERSEY CITY WATER WKS
MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55					MID	H H. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400					8A	H JOSEPH H. GARRIS, III
NEARWK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11					MID	C H U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86					5P	GH ARTHUR H. AHLQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					MID	C HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30					4P	ST. HARTS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565					8A	C H NEWTON WTR. & SWP-COM.
OLD RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	270					8A	NEWARK WATER DEPT.
OLDWICK	6584	HUNTERDON	10	40 40	74 45	860					8A	DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140					MID	C COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100					8A	H P. J. DEL VECONIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80					5P	SP H PHILIP E. MARUCCI
PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182					3P	H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	196					7A	JOINT TOLL BRIDGE COM.
PLAINFIELD	7079	UNION	10	40 36	75 25	120					8P	H MRS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60					MID	H PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20					MID	C H RAHWAY VLY. SWG. AUTH.
RIDGEWOOD	7587	PASSAIC	8	41 08	74 16	205					10A	NO. JERSEY WTR. SUPPLY
SHILOH	8051	CUMBERLAND	2	39 28	75 18	120					5P	EVERETT DICKINSON
SOMERVILLE	8194	SOMERSET	10	40 35	74 37	90					6P	H W. E. HAYVER
SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800					10A	C JERSEY CITY D. P. W.
SPRINGFIELD	8423	UNION	1	40 33	74 18	-						C N. J. DEPT. OF CONS.
SUSSEX	8644	SUSSEX	5	41 13	74 37	440					7A	BRICE B. STANTON
TOMS RIVER	8816	CAPE	1	39 57	74 13	10					6P	TOMS RIVER WATER CO.
TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56					MID	C H U.S. WEATHER BUREAU
TUCKERTON	8099	UNION	1	39 36	74 20	10					6P	RD. WALTER T. GANDER
WANDUKE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320					8A	C H WATER SUPPLY COM.
WATCHUNG	9271	UNION	8	40 40	74 25	-						C BONNIE BURN SANITARIUM
WERTSVILLE	9363	HUNTERDON	10	40 27	74 38	160					7A	NO. J. M. HANNERS
WEST WHARTON	9608	MORRIS	8	40 54	74 46	680					7A	C ROBERT W. LIGHT CO.
WOODCLIFF LAKE	9632	MERCER	10	40 03	74 19	190					8A	C HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50					5P	C CREAM VALLEY DAIRY
NEW STATION												
SEABROOK FARMS	7936	CUMBERLAND	2	39 30	75 14	90					8A 8A 8A	SEABROOK FARMS CO.

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-RACKENSAK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sum of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table," "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, R, and J in the "Special" column under the heading "Observation Time and Tables," indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gauge is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing. If average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gauge. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

Y Includes total for previous month.

X Observation is 1:00 a.m., E.S.T., of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

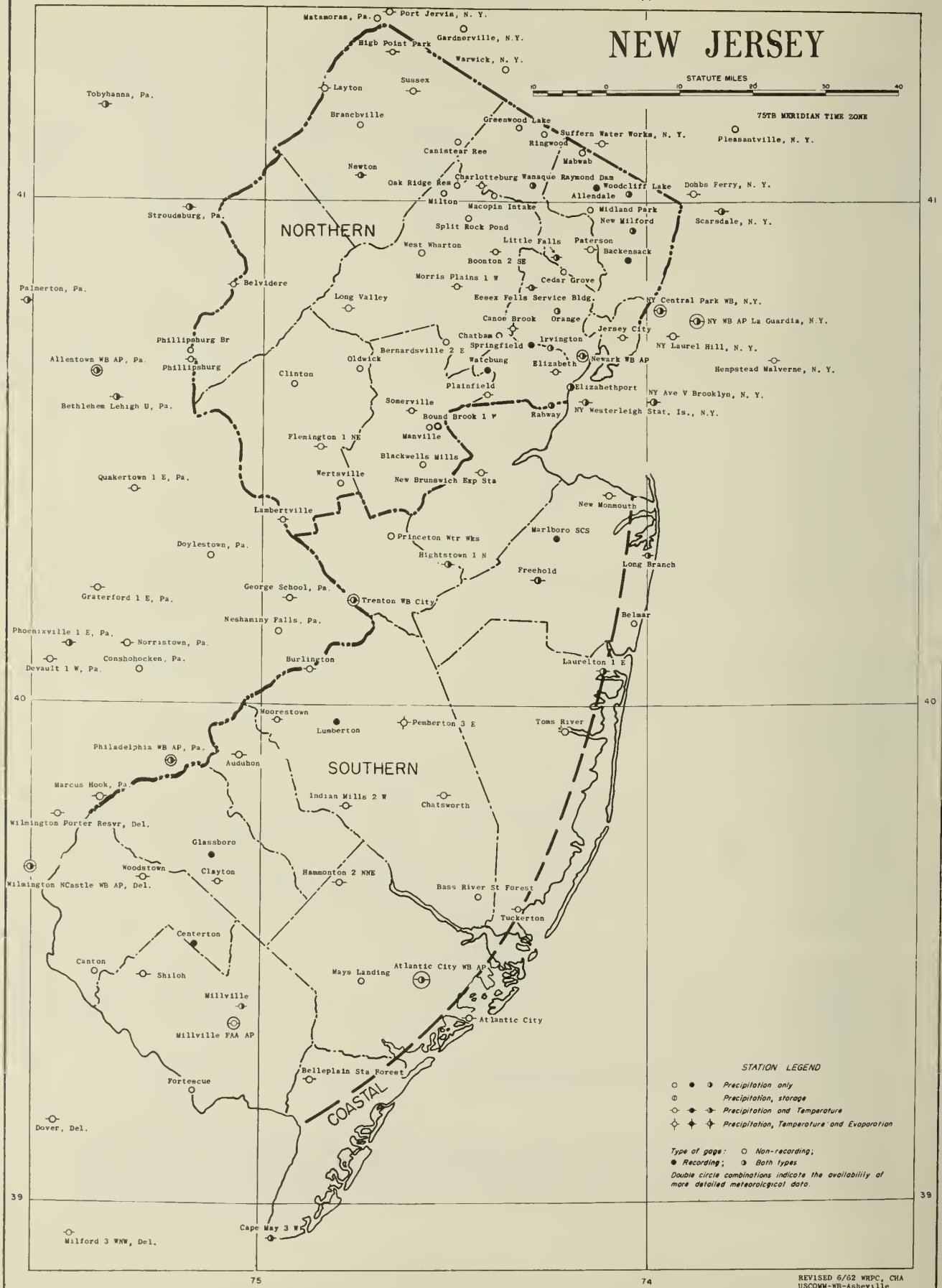
Information concerning the history of changes in locations, elevations, exposures, etc., of stations through 1955 may be found in the publication "Station History" for this station. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NEW JERSEY

STATUTE MILES

75TH MERIDIAN TIME ZONE



5/105
NNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

MAY 1963

Volume 68 No. 5



THE LIBRARY OF THE
JUL 25 1963
UNIVERSITY OF MICHIGAN

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 10th at Hammondton 2 NNE

Lowest Temperature: 28° on the 24+ at 3 stations

Greatest Total Precipitation: 4.63 inches at Long Branch

Least Total Precipitation: 0.69 inch at Princeton Water Works

Greatest One-Day Precipitation: 2.53 inches on the 30th at Mays Landing,
and on the 29th at Long Branch

Greatest Reported Total Snowfall: Trace at 18 stations

SPECIAL WEATHER SUMMARY

The near-drought conditions which began in April, continued throughout the month of May. The combined April-May rainfall total of 2.11 inches at Trenton was the lowest of record for these two months at that station. Snowfall at many locations on May 1 was a rare occurrence for this month. The heavy frost and freezing temperatures in most areas of the State on the morning of the 24th produced the coldest weather ever to occur so late in the spring in several communities. Scattered frost also occurred on the 25th. Cranberry bog temperatures as low as 18° F. were reported on the 24th. Some damage was caused by wind and electrical storms on the 9th and on the 20th.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
MAY 1963

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
																		Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
NORTHERN																							
BELVIOERE	69.4	42.5	56.0	- 6.2	82	10	31	3	280	0	0	4	0	3.10	- .93	1.16	1	T	0		6	2	1
BOONTON 1 SE	68.3	44.9	56.6	- 2.5	82	6	32	24	266	0	0	1	0	3.84	- .32	.87	22	T	0		7	4	0
CANOE BROOK	70.4	45.2	57.8	- 1.1	85	10+	31	24	238	0	0	1	0	3.21	- .94	.81	21	.0	0		8	2	0
CHARLOTTEBURG	67.9	42.2	55.1	- 3.3	85	10	30	24	314	0	0	4	0	3.98	- .17	.80	1	.0	0		9	3	0
ELIZABETH	73.0	48.2	60.6	- 1.6	87	5	35	24	167	0	0	0	0	2.85	- 1.21	.63	18	.0	0		8	2	0
ESSEX FELS SERV BLOC	70.5	45.0	57.8		86	10	30	24	240	0	0	1	0	2.97		.69	19	.0	0		8	2	0
FLEMINGTON 1 NE	72.2	41.0	56.6	- 5.2	88	10	28	13	271	0	0	5	0	2.07	- 1.94	.45	10	T	0		7	0	0
HIGH POINT PARK	67.6M	43.8M	55.7M		88	10	29	24	298	0	0	3	0	2.06		.72	19+	T	0		4	2	0
JERSEY CITY	68.5	50.6	59.6	- 1.6	84	20+	34	2	197	0	0	0	0	2.22	- 1.53	.48	14	.0	0		6	0	0
LAMBERTVILLE	74.1	45.8	60.0	- 1.6	88	9	31	24	180	0	0	1	0	2.39	- 1.69	.58	18	T	0		7	3	0
LAYTON 2	69.8	40.6	55.2		91	10	28	24+	308	1	0	4	0	2.79		.94	1	T	0		6	2	0
LITTLE FALLS	72.3	47.1	59.7	- 1.5	86	10+	34	24	191	0	0	0	0	3.07	- 1.26	.79	19	.0	0		9	2	0
LONG VALLEY	68.9	40.1	54.5		84	6	29	13	327	0	0	5	0	3.83	- .34	.92	1	.0	0		7	2	0
MORRIS PLAINS 1 W	70.1	45.1	57.6		84	10	32	13	243	0	0	1	0	3.40		.66	22	T	0		8	4	0
NEWARK WB AIRPORT	71.2	50.9	61.1	- 0.9	87	20+	38	1	164	0	0	0	0	2.37	- 1.28	.62	18	.0	0		6	1	0
NEWTON	70.1	43.4	56.8	- 2.2	90	10	28	24	265	1	0	4	0	2.38	- 1.57	.80	11	T	0		6	2	0
PATERSON	71.7	49.5	60.6	- 1.3	87	21+	38	24+	168	0	0	0	0	3.62	- .68	.82	19	.0	0		9	2	0
PHILLIPSBURG	74.6	46.0	60.3	- 1.1	87	9	34	24+	160	0	0	0	0	2.53	- 1.62	.69	18	T	0		7	1	0
PLAINFIELD	72.2	46.5	59.4	- 1.8	87	5	32	24	195	0	0	1	0	2.23	- 1.91	.54	18	T	0		6	1	0
SOMERVILLE	73.3	45.2	59.3	- 1.8	86	9	32	24	189	0	0	1	0	2.59	- 1.22	.73	18	.0	0		6	2	0
SUSSEX	70.4	41.0	55.7	- 4.2	90	10	29	24	295	1	0	3	0	2.71	- 1.06	.90	11	.0	0		6	2	0
OIVISION			57.9	- 2.6										2.87	- 1.20			T					
SOUTHERN																							
ATLANTIC CITY WB AP	71.6	48.9	60.3	- 1.0	93	9	36	1	178	1	0	0	0	2.95	- .56	1.94	29	.0	0		2	2	1
AUOBON	75.0	48.7	61.9		92	9	36	3+	140	2	0	0	0	1.51		.76	29	.0	0		4	2	0
BELLEPLAIN STA FOREST	74.7	46.2	60.5		93	9	30	24+	184	2	0	5	0	4.47	- .64	2.10	29	.0	0		5	4	1
BURLINGTON	75.2	46.9	61.1	- 3.1	92	9	37	24+	155	1	0	0	0	2.50	- 1.26	1.38	29	.0	0		5	1	1
CHATSWORTH	73.5	45.2	59.4		93	9	29	13	204	2	0	3	0	2.34		.92	1	.0	0		5	2	0
FREEHOLD	72.6	47.0	59.8	- 1.8	89	9	33	24+	188	0	0	0	0	3.65	- .38	1.15	30	T	0		6	3	2
HAMMONTON 2 NNE	74.0	47.9	61.0	- 1.7	94	10	35	25+	167	2	0	0	0	1.97	- 1.95	.63	1	.0	0		4	2	0
HIGHTSTOWN 1 N	72.9	46.2	59.6	- 1.8	90	9	32	24	192	1	0	1	0	- 3.72		.75	29	T	0		0		0
INDIAN MILLS 2 W	72.8	44.7	58.8	- 3.2	92	9	29	24	219	1	0	3	0	2.73	- 1.15	1.07	1	.0	0		7	2	1
MILLVILLE	72.0	49.3M	60.7M		91	10	35	3	174	2	0	0	0	1.56		.79	18	.0	0		2	1	0
MILLVILLE FAA AIRPORT	72.3	48.7	60.5		90	10+	35	3	175	2	0	0	0	1.85		.89	18	.0	0		3	2	0
MOORESTOWN	71.5	47.1	59.3	- 2.4	90	9	32	24	199	1	0	1	0	2.28	- 1.79	.84	30	T	0		4	2	0
NEW BRUNSWICK EXP STA	72.6	48.0	60.3	- 1.3	87	9	35	24	171	0	0	0	0	1.83	- 1.92	.33	18	T	0		7	0	0
NEW MONMOUTH	73.2	47.9	60.6		88	10	35	25+	176	0	0	0	0	4.05		1.74	18	.0	0		6	2	2
PEMBERTON 3 E	72.4	45.0	58.7	- 4.0	89	9	31	24	213	0	0	3	0	1.90	- 1.86	.65	1	T	0		4	1	0
SHILOH	73.4	48.1	60.8	- 2.2	90	10+	36	24+	165	2	0	0	0	1.69	- 2.27	.88	18	.0	0		3	1	0
TOMS RIVER	74.1	44.8	59.5		92	10	31	25+	205	1	0	4	0	2.30		.85	18	.0	0		5	2	0
TRENTON WB CITY	71.3	49.5	60.4	- 1.9	89	9	35	1	174	0	0	0	0	1.28	- 2.34	.59	29	T	1		4	1	0
TUCKERTON	71.0	46.9	59.0		93	9	32	25	208	2	0	1	0	3.00		1.10	30	.0	0		5	2	1
WOODSTOWN	74.9	47.3	61.1		91	9	33	24+	157	2	0	0	0	2.15		.82	1	.0	0		5	2	0
OIVISION			60.2	- 1.9										2.42	- 1.36			T					
COASTAL																							
ATLANTIC CITY	R 65.7	52.6	59.2	- 0.3	92	9	37	1	193	1	0	0	0	1.94	- 1.22	.97	29	.0	0		2	2	0
CAPE MAY 3 W	R 69.0M	51.3M	60.2M		84	10	39	4	156	0	0	0	0	2.64		.86	18	.0	0		6	3	0
LONG BRANCH	R 68.6	48.5	58.6	- 1.2	89	9	34	1	221	0	0	0	0	4.63	1.14	2.53	29	T	0		5	3	1
OIVISION			59.3	- 0.7										3.07	- .19			T					

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CANOE BROOK	EVAP	-	-	-	-	-	-	.20	.25	.23	.10	.22	.06	.16	.21	.19	.20	.19	.16	.02	.23	.27	.13	.20	.21	.18	.19	.05	.19	.11	*	.22	8	5.17
	WIND	-	-	-	32	44	34	46	51	58	25	97	39	47	65	53	37	33	74	32	30	41	36	39	47	38	39	22	34	40	9	34	8	1302
	MAX	-	-	-	-	-	-	77	81	82	79	76	64	72	78	76	78	80	76	72	86	81	69	83	74	76	78	60	79	66	65	87	75.8	
	MIN	-	-	-	-	-	-	47	47	54	62	46	42	42	46	52	52	53	55	41	58	55	55	52	42	44	48	48	50	53	45	57	49.8	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	SSW	12	10.4	23++	SW	19+	76	74	46	62	7	5	0	1	1	0	14	60	5.5
ATLANTIC CITY (ST MARINA)	-	-	11.6	28	SSE	18	-	-	-	-	-	7	0	2	0	0	-	-	-
LONG BRANCH	S	12	10.3	41	S	18	-	73	50	60	5	5	2	2	0	1	15	63	5.4
NEWARK WB AIRPORT	SW	14	11.6	50++	NW	20	69	68	45	54	4	5	5	1	0	0	15	-	5.3
TRENTON WB CITY	SW	-	9.3	36	NW	9	-	-	-	-	3	4	3	1	0	0	11	64	5.7

\$ 12:00 NOON

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
MAY 1963

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC CITY WB AP	2.95	T						T			T	T		.01	T			.04	.88			.03	T	.01				T		.04	1.94		*	
ATLANTIC CITY	1.94	.01													.05			.04	.71			.04	.01	.05				T		.06	.97		*	
AUDUBON	1.51	T					T						.15					.50			T						T			.10	.76		*	
BASS RIVER ST FOREST	3.26	.41									.06					.10			1.05					.11						.16	1.33		*	
BELLEPLAIN STA FOREST	4.47	.54																.78				.05					T			.10	2.10	.90	*	
BELMAR 2 SW	1.20				T						.30							.10				T				T		.80					*	
BELVIOERE	3.10	1.16	.01				T	T			.28	.66			.03	T		.40	.38		T	.15					T			T	.03		*	
BERNARDSVILLE 2 E	3.11	.48	.04								.61	.37			.12			.28	.53		.16	.36							.03	.03	.10		*	
BLACKWELLS MILLS	2.25	.36	.05						.04		.29	.09			.09	.13		.21	.28		.56	T						.07		.05	.12		*	
BOONTON 1 SE	3.84	.65	.04								.05	.85			.20	.77		.20	.77		.11	.87					T			.03	.06		*	
BOUND BROOK 2 W	2.12	.39	.03				.07				.35	.29			T			.23	.29		.39							T		T	.08		*	
BRANCHVILLE	3.15	.93	.04								.06	1.07			.19	.06		.27	.43		.03									T	.07		*	
BURLINGTON	2.50	.35	.01								.07	.12			.35			.35			.02						.02			.02	1.38	.16		*
CANISTEAR RESERVOIR	2.73	.64	.02					T			.03	.56	T		.32	.29		.13	.38		.23	.09						T			.04		*	
CANOE BROOK	3.21	.38	.02				.03				.20	.38		.01	.05	.26		.28	.57		.81	.01					.03		.07	.11			*	
CANTON	2.50	.47	.02								.05				.09			.75			.19							T		.23	.70		*	
CAPE MAY 3 W	2.64	.64													.10	.01		.86			.02			.18						.14	.69		*	
CEDAR GROVE	4.21	.28	.10			.62					.10	.62			.09	.18		.37	1.12		.33	.30								.10			*	
CHARLOTTEBURG	3.98	.80	.01				.31				.03	.74			.28	.20		.17	.77		.28	.31								.02	.06		*	
CHATSWORTH	2.34	.92						.03				.11			.27			.63		.04	.09	.03						T		.22			*	
CLINTON	2.79	T									.45			.61				.87	.02		.04	.74								.03	.03		*	
ELIZABETH	2.85	.25	.03				T				.20	.47	.02		.15	.24		.63		.50							.04			.25		.07	*	
ELIZABETHPORT	2.27	.08								.12	.31	.05		.01	.29			T	.68		.28						.02				.43		*	
ESSEX FELS SERV BLDG	2.97	.40	.03								.07	.53			.07	.21		.30	.69		.22	.30						.08		.05	.12		*	
FLEMINGTON 1 NE	2.07	.42	.02								.45	.21			T			.30	.29		.19	.04					.02		.02	.13		.13	*	
FORTESCUE	3.37	.36																1.24				.12									1.65		*	
FREEMOLD	3.65	.25	.05			.05					.09	.07			.04	.20		.65									.10			1.00	1.15		*	
GREENWOOD LAKE	3.29	.70	.05			.12					.05	.57	.03		.35	.15		.18	.60	.09	.13	.30								.06		*		
HAMMONTON 2 NNE	1.97	.63	T			.06									T			.61	.05	.09	.12									.06	.26		*	
HIGH POINT PARK	-		.07								.28	-	T		.11	.06		.72	.72		-	-					T	.01	T	.09		.09	*	
HIGHTSTOWN 1 N	2.18	.27	.05			.22					.27	.07			T	.18		.28		.01	T						.08		T	.75			*	
INOIAN MILLS 2 W	2.73	1.07	T			.07						.17			.01	.14		.62	.02	.13	.07								.11	.32			*	
IRVINGTON	1.82	.06			.02						.13	.15	.02		.01	.41		.46		.36	T									.20			*	
JERSEY CITY	2.22	.08	T					T			.08	.29	.04		.03	.48		.35	.29	T	T					.20				.38			*	
LAMBERTVILLE	2.39	.26	.01								.54	.22			T			.58		.53						.10		.01	.12	.02			*	
LAYTON 2	2.79	.94	.01				T				.13	.60			.15	.01		.42	.44		.18	.01					T		T	.08			*	
LITTLE FALLS	3.07	.27	.07				.01				.04	.75	.01		.12	.12		.29	.79		.19						.05			T	.08	.10	*	
LONG BRANCH	4.63	.02					T			.80				.06	.40			.65		.05	T	.02	.10						T	2.53			*	
LONG VALLEY	3.83	.92	.02								.36	.43			.48			.48	.67		.33	.48									.05	.05	*	
MAHAM	3.69	.43	.10			.15					.01	.74			.37	.25		.16	.57		.27	.55								.01	.08		*	
MANVILLE	2.30	.42	.06			T	.10				T	.52	.25		.02	.01		.21	.30	T	.28	T					T	T	.04	.09			*	
MAYS LANDING	4.03	.39											.04		.04			.93	T		.08	T								.02	2.53		*	
MIDLAND PARK	3.12	.09			.05					.02	.32				.55			.84	.45	.59						.07				.14			*	
MILLVILLE	1.56	T			.02	T					.03			.01	.05			.08	.79	.02	.04	T							.04	.48			*	
MILLVILLE FAA AIRPORT	1.85	T									.03			T	.03			.21	.89		.05	T	T						T	.63	.01		*	
MILTON	3.81	.61	.03			.27					.07	.68	.03		.20	.25		.30	.45	.50		.37									.05	.05	*	
MOORESTOWN	2.28	.52	.02			.09		.01			.13	.14			.03			.38	.04		.08	.04							.03	.09	.84		*	
MORRIS PLAINS 1 W	3.40	.59	.02								.34	.03	.01		.03	.11		.38	.64		.14	.66								.02	.05		*	
NEWARK WB AIRPORT	2.37	.04				T	T	T		.12	.37	.03		.02	.39			.62		.40	.01									.04	.33		*	
NEW BRUNSWICK EXP STA	1.83	.25	.09			T	.04	T			.24	.12			.05			.33		.17	T						.07				.32	.15		*
NEW MILFORD	2.61	.08			.04					.04	.40	.02			.61			.44		.70	.12	.02									.14		*	
NEW MONMOUTH	4.05	.34				.06	.02				.13	.04			.04			1.74								.10					1.33	.25		*
NEWTON	2.38	.60	.05			.12	.05				.07	.80			.18	.07		.19	.13			.07							.03		.02		*	
OAK RIDGE RESERVOIR	3.97	.61					.51				.05	.72			.23	.32		.15	.42		.49	.39								.08			*	
OLWICK	2.82	.31	T								.29	.42			.01			.61	.55		.28	.24							T	.06	.05		*	
ORANGE	2.35	.27	.05								.08				.30	.28		.29		.82	.38	.15							1.33	.04			*	
PATERSON	3.62	.30	.04			.03					.76	.04			.33	.29		.40		.06	.04							.04	.01	.08	.10		*	
PEMBERTON 3 E	1.90	.65																.69		.25		.20							.02	.49	.09		*	
PHILLIPSBURG	2.53	.10	.39				T				.46	.44			T			.69	</															

DAILY TEMPERATURES

NEW JERSEY
MAY 1993

Station		Day Of Month																														Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
ATLANTIC CITY WB AP	MAX	57	65	76	85	82	66	73	85	93	84	54	57	65	76	74	76	70	74	82	76	61	76	61	63	64	63	68	64	74	78	77	71.6
	MIN	36	38	39	45	54	47	45	54	68	51	43	42	40	50	54	52	50	55	52	59	52	53	46	38	38	50	45	43	60	62	56	48.9
ATLANTIC CITY	MAX	57	65	64	72	65	58	69	66	92	77	54	54	60	66	72	69	62	74	70	69	60	69	62	56	58	60	62	62	65	75	65.7	
	MIN	37	38	45	52	56	52	47	56	63	51	48	45	46	53	55	57	56	57	59	59	56	56	49	44	48	56	51	57	60	62	59	52.6
AUDUBON	MAX	58	66	78	85	84	72	75	85	92	91	57	65	70	73	75	80	77	70	82	86	67	76	65	68	76	59	77	77	79	80	79	75.0
	MIN	36	38	36	43	51	50	44	53	63	51	45	42	40	53	53	54	54	56	51	60	48	55	50	37	38	50	44	46	58	54	56	48.7
BELLEPLAIN STA FOREST	MAX	60	65	74	85	85	78	75	87	93	91	71	60	67	72	75	77	72	77	80	84	75	77	72	64	67	65	71	68	72	79	78	74.7
	MIN	40	31	30	41	55	53	39	53	61	59	48	40	31	48	48	45	43	56	48	58	45	54	48	30	31	42	47	38	59	61	51	46.2
BELVIDERE	MAX	61	42	64	75	80	81	70	75	81	82	80	51	64	66	75	73	75	72	61	77	80	66	70	60	63	69	59	74	62	67	77	69.4
	MIN	38	37	31	32	42	48	39	39	51	62	45	33	33	35	51	44	45	50	49	49	44	44	41	32	32	38	44	43	44	54	48	42.5
BOONTON 1 SE	MAX	58	47	62	73	79	82	66	72	79	81	75	49	61	65	72	71	75	72	60	75	79	65	69	58	64	68	60	73	65	65	76	68.3
	MIN	40	37	42	44	51	46	38	54	56	64	42	41	33	43	52	44	45	54	43	48	43	49	44	32	34	44	35	40	48	55	52	44.9
BURLINGTON	MAX	63	65	78	85	85	75	75	86	92	87	55	65	70	75	76	78	76	69	83	86	68	76	73	68	73	68	75	73	76	79	79	75.2
	MIN	37	39	37	44	50	50	43	43	66	54	44	40	38	46	47	46	48	54	55	63	42	50	40	37	39	49	45	45	55	52	55	46.9
CANOE BROOK	MAX	60	47	64	76	84	85	68	75	85	85	73	50	62	68	76	72	76	74	69	80	93	65	74	61	63	68	58	73	65	66	78	70.4
	MIN	39	36	34	41	55	45	37	54	60	61	42	40	36	45	48	44	46	54	45	50	43	45	45	31	37	45	40	42	52	54	48	45.2
CAPE MAY 3 W	MAX	57	55	65	79			73	77	79	84	79	58	61	70	65	70	66	71	76	76	71	72	68	60	62	65	67	66	67	70	72	69.0
	MIN	44	40	40	39			49	53	52	61	49	44	47	52	57	54	51	56	56	58	56	55	53	42	43	54	54	52	58	61	59	51.3
CHARLOTTEBURG	MAX	57	45	61	75	80	81	71	71	82	85	73	45	62	65	73	70	74	70	59	75	78	64	68	57	63	68	60	71	64	63	75	67.9
	MIN	38	33	36	43	52	46	44	47	55	61	39	37	32	32	46	42	42	46	46	47	43	43	40	30	31	39	37	39	41	53	49	42.2
CHATSWORTH	MAX	59	65	74	84	86	68	74	86	93	91	57	61	67	73	73	78	72	70	81	86	65	75	74	64	68	64	71	71	73	79	78	73.5
	MIN	41	31	33	47	52	49	41	51	63	56	43	40	29	45	51	43	43	55	47	51	46	52	50	33	32	42	41	40	54	59	52	45.2
ELIZABETH	MAX	60	64	77	86	87	70	76	85	85	81	56	62	71	75	74	79	78	66	80	85	64	74	69	64	68	60	74	67	66	80	80	73.0
	MIN	40	37	39	45	59	52	42	51	67	55	49	43	38	49	42	50	55	60	49	54	49	51	42	35	39	49	42	45	56	56	54	48.2
ESSEX FELS SERV BLDG	MAX	58	48	64	77	84	85	68	76	85	86	74	50	62	68	75	72	76	73	69	80	84	67	72	60	64	68	58	72	65	65	78	70.5
	MIN	38	36	37	45	54	47	38	49	57	61	41	40	35	43	47	45	48	54	49	50	44	50	44	30	35	43	38	42	52	54	48	45.0
FLEMINGTON 1 NE	MAX	62	45	65	77	84	85	72	76	87	88	80	52	65	69	76	76	82	77	65	81	84	66	73	60	68	75	58	77	65	68	79	72.2
	MIN	36	35	29	36	43	44	33	38	52	66	38	33	28	32	54	42	43	51	45	47	42	45	42	29	31	37	38	38	45	52	47	41.0
FREEHOLD	MAX	57	64	76	83	84	66	74	84	89	86	62	61	69	76	73	77	75	65	80	85	66	75	69	63	67	61	72	67	70	78	78	72.6
	MIN	39	33	38	47	52	51	45	53	67	51	42	41	39	46	49	50	48	54	51	57	48	51	47	33	37	45	40	43	54	54	52	47.0
HAMMONTON 2 NNE	MAX	61	49	64	78	87	87	69	74	87	94	91	55	64	71	76	74	81	75	72	84	84	67	76	60	69	74	67	76	71	79	79	74.0
	MIN	41	35	39	43	54	50	43	54	61	62	44	40	39	46	52	47	47	56	56	60	49	53	50	37	35	44	44	44	51	54	54	47.9
HIGH POINT PARK	MAX	62	39	57	75	82	79	67	74	84	88	70	42	58	68	72	72	76	75	54	78	76		62	59	66	55	71	63	63	73	67.6	
	MIN	32	30	36	42	55	42	38	52	61	52	36	33	37	41	46	42	50	50	47	54	44	48		29	39	44	42	46	51	50	46	43.8
HIGHTSTOWN 1 N	MAX	60	65	79	87	85	67	74	86	90	79	53	63	70	74	74	78	75	66	82	86	66	74	64	64	71	60	73	66	72	78	78	72.9
	MIN	39	34	37	43	51	49	46	53	64	50	43	39	37	48	50	45	48	55	48	58	44	51	47	32	33	45	39	41	56	56	52	46.2
INDIAN MILLS 2 W	MAX	58	63	75	84	85	68	73	85	92	89	55	61	67	71	73	78	73	70	81	84	63	73	65	67	72	62	75	64	74	77	80	72.8
	MIN	35	34	32	38	47	49	40	53	66	51	45	37	33	50	52	41	44	55	46	57	42	49	48	29	30	42	37	39	56	60	50	44.7
JERSEY CITY	MAX	56	63	76	83	75	62	74	83	84	73	50	60	64	72	71	72	64	59	79	84	63	72	60	58	61	59	70	60	64	78	76	68.5
	MIN	36	34	47	57	57	50	49	57	71	48	42	39	46	51	53	55	53	54	54	58	53	53	45	41	46	51	46	52	55	60	57	50.6
LAMBERTVILLE	MAX	61	64	77	83	86	72	76	86	88	85	55	65	63	75	75	78	77	71	80	83	68	72	71	65	72	71	75	74	70	79	81	74.1
	MIN	38																															

DAILY TEMPERATURES

NEW JERSEY
MAY 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	61	46	61	78	83	80	73	74	84	90	71	52	63	68	74	71	77	73	60	78	79	69	72	56	66	73	63	77	68	68	73	70.4
	MIN	38	35	33	34	42	50	35	36	54	60	40	35	32	35	47	44	44	49	48	48	40	44	40	29	31	36	40	41	42	46	42	41.0
TOMS RIVER	MAX	46	64	73	86	86	83	71	87	86	92	58	57	68	75	73	76	75	83	82	80	79	74	73	61	65	78	68	67	72	79	79	74.1
	MIN	41	34	31	38	50	50	40	50	65	57	44	43	32	46	49	44	38	45	44	58	45	50	50	31	31	42	38	39	56	55	52	44.8
TRENTON WB CITY	MAX	57	64	77	83	85	67	74	84	89	79	50	61	67	72	74	78	74	64	81	83	63	73	59	64	71	55	72	63	71	78	78	71.3
	MIN	35	39	44	51	54	52	50	57	64	44	41	40	43	51	54	52	53	56	55	58	52	55	43	38	41	49	45	48	57	59	56	49.5
TUCKERTON	MAX	60	65	76	81	77	65	70	80	93	91	55	55	65	74	74	75	68	73	82	76	69	77	70	65	62	60	67	64	64	73	75	71.0
	MIN	43	35	39	38	53	50	39	53	61	54	46	43	37	50	48	52	47	55	52	61	48	52	50	33	32	48	42	38	52	50	53	46.9
WOODSTOWN	MAX	63	66	76	84	85	81	76	85	91	90	67	63	67	71	74	77	74	73	81	83	68	75	73	67	71	65	73	70	76	79	79	74.9
	MIN	38	36	33	40	47	51	43	54	65	60	47	38	36	52	50	45	50	52	49	58	45	50	49	33	36	50	45	44	56	60	59	47.3

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT # 1																																	
1 INCH	MAX MIN	54 48	54 46	58 46	62 50	66 53	65 56	65 53	65 55	65 58	66 57	57 55	63 52	63 51	63 55	66 56	69 56	66 57	62 58	67 56	68 58	65 57	70 61	67 59	70 55	71 55	62 58	72 55	64 57	65 60	73 62	74 62	65.1 55.4
2 INCHES	MAX MIN	54 48	54 46	57 46	60 50	64 53	63 56	64 53	63 55	64 58	64 57	57 55	62 52	62 55	61 56	64 56	67 56	64 57	61 58	66 56	66 58	65 57	68 60	66 56	68 56	69 56	61 58	70 56	64 58	65 60	71 62	72 62	63.7 55.5
4 INCHES	MAX MIN	53 48	52 46	54 47	57 52	60 53	61 55	60 54	60 55	61 58	63 58	58 54	59 53	60 53	60 55	62 56	65 56	64 57	61 58	65 56	65 59	64 58	67 60	65 59	66 57	67 57	62 59	67 57	62 59	63 60	69 62	70 66	62.0 56.0
8 INCHES	MAX MIN	51 49	50 48	52 48	54 51	57 53	57 55	57 54	58 55	58 56	60 58	57 54	57 53	58 55	59 56	61 56	61 58	59 58	61 58	61 58	62 59	61 59	62 60	62 61	62 58	63 59	62 60	63 58	61 60	62 60	65 61	66 63	59.3 56.3
16 INCHES	MAX MIN	49 49	49 48	49 48	51 49	52 51	53 52	53 53	54 53	55 54	56 55	56 55	55 54	54 53	54 54	55 54	56 55	57 56	57 56	57 56	58 56	57 57	60 59	60 59	60 59	60 58	59 58	60 59	59 58	59 59	61 59	61 60	56.1 55.0
32 INCHES	MAX MIN	48 48	48 47	48 47	48 47	49 48	50 49	50 49	50 50	51 50	52 51	53 52	53 52	52 52	52 52	52 52	52 52	53 52	54 53	54 53	54 53	57 54	57 56	57 57	57 57	57 57	56 56	57 57	57 57	57 57	57 57	57 57	53.2 52.5
PLOT # 2																																	
1 INCH	MAX MIN	58 42	63 39	77 40	86 49	91 54	83 55	86 51	88 57	85 65	77 54	56 51	72 46	83 45	79 55	80 52	90 54	81 55	68 56	81 53	86 57	70 54	85 60	80 55	85 47	88 50	63 54	89 49	74 61	70 62	81 57	88 57	78.8 52.7
2 INCHES	MAX MIN	57 43	62 40	75 41	83 49	88 55	81 56	84 52	86 57	84 65	75 54	55 51	70 47	80 46	77 56	78 53	84 54	87 55	67 57	80 53	84 54	69 60	83 56	78 56	83 48	86 51	63 55	87 50	81 55	73 61	69 62	80 57	77.1 53.3
4 INCHES	MAX MIN	57 45	59 42	70 43	69 50	83 55	76 57	79 53	81 58	79 65	72 51	57 49	67 48	76 48	73 56	74 55	82 55	76 57	65 60	76 55	79 59	68 56	79 61	75 58	79 52	81 53	63 57	81 52	70 62	68 63	77 59	73.3 54.5	
8 INCHES	MAX MIN	58 49	54 46	60 47	66 52	70 57	68 59	69 57	71 60	70 64	67 61	60 50	62 52	66 52	66 58	67 57	71 58	69 60	63 61	68 57	70 61	65 59	71 63	68 61	68 57	72 58	66 60	71 56	66 60	65 63	71 63	73 63	66.8 57.5

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL	
ALLENDALE	0100	BERGEN	8 41 02	74 08	270						BERGEN COUNTY ENGINEERS
ATLANTIC CITY WP	0111	ATLANTIC	1 39 27	74 35	58	M10	M10				U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1 39 23	74 26	11	M10	M10				J. STATE MARINA
AUGUST	0344	CAMDEN	2 40 03	74 36	90	11P					IRVING J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20		9A				N.J. FORESTRY SERVICE
BELLEPLAIN STATE FOREST	0690	CAPE MAY	1 39 15	74 52	30	5P					BELLEPLAIN STATE FOREST
BELMAR 2 SW	0721	MONMOUTH	1 40 09	74 04	40		8A				NEW JERSEY WATER WORKS
BELOVIERE	0729	WARREN	2 40 50	75 05	275	7A					CLEMENT HAUP
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240	7A					BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27		7A				HENRY M. MILLER
BLOOMING 1 SE	0907	MORRIS	8 40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BROOK 2 W	0927	SOMERSET	10 40 33	74 34	50		8A				AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580	7A					ALBERT M. GAVINPORT
BURLINGTON	1211	BURLINGTON	2 40 04	74 53	12	6P					PUBLIC SVCS. & G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040		8A				NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	9A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2 39 28	75 25	20		9A				GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 38	10	5P					N. WEST MAGNESITE CO.
CEAR GROVE	1472	ESSEX	8 40 52	74 13	400		8A				J. A. PLUNKETT
CENTERTON	1512	SALEM	6 39 31	75 10	80						JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8 41 02	74 26	760	7A					NEWARK WATER DEPT.
CHATAM	1590	MORRIS	8 40 44	74 23	185		7A				EDWARD P. MOLITOR
CHATSORTH	1598	BURLINGTON	1 39 49	74 32	100	5P					EARL M. KERCHER
CLAYTON	1708	GLOUCESTER	6 39 39	75 06	120	6P					HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10 40 38	74 54	230	8A					THOMAS L. HALPIN
ELIZABETH	2644	UNION	1 40 40	74 14	40	5P					UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	1 40 40	74 14	40	5P					SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV. BLDG.	2768	ESSEX	8 40 50	74 17	340	8A					BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 51	140	5P					RONALD YOUNG
FORTESQUE	3102	CUMBERLAND	2 39 14	75 10	5		7A				JOHN LOPER
FREEDHOLD	3181	MONMOUTH	10 40 15	74 17	194	6P					C. FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2 39 42	75 07	135		7A				C. GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8 41 09	74 20	660		7A				GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4 40 43	74 03	10		8A				BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85	8A					W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2 41 18	74 40	1570	8A	8A				N. J. DEPT. OF CON.
HIGHTSTOWN 1 N	3951	MERCER	10 40 17	74 31	100	6P					C. H. JAMES R. PICKERING
IMOGAN HILLS 2 W	4229	BURLINGTON	7 39 48	74 47	100	7P					H. EDWARD EDWISTLE
IRVINGTON	4260	ESSEX	1 40 43	74 15	120	M10					JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1 40 44	74 03	135	M10					JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75	6P					H. E. E. CASE
LAURELTON 1 E	4700	OCEAN	1 40 04	74 07	20	M10	M10				C. H. PUBLICATION ENDO 8/62.
LAYTON 2	4736	SUSSEX	7 40 15	74 32	390	7A					CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8 40 53	74 14	150	9A					C. H. PASSAIC VLY. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1 40 18	74 00	20	M10	M10				HJ WILLIAM G. MARTIN JR.
LONG VALLEY	5003	MORRIS	10 40 47	74 47	540	5P	7A				M. MISS PEARL HINSHAW
LUMBERTON	5055	BURLINGTON	2 39 58	74 48	25						JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8 41 01	74 24	384						INACTIVE 1/61
MAHAM	5104	BERGEN	8 41 06	74 10	253	7A					ROBERT G. GLASGOW
MANVILLE	5197	SOMERSET	10 40 33	74 34	50		9A				JOHN L. RADCLIFFE
MARLBORO SCS	5244	MONMOUTH	1 40 20	74 14	120						C. GEROW BRILL
MAYS LANDING	5346	ATLANTIC	3 39 27	74 44	10		8A				H. COUNTY EXTENSION SVC.
MIDLAND PARK	5503	BERGEN	8 40 59	74 09	210	M10					RODGOWOOD WATER CO.
MILLVILLE	5576	CUMBERLAND	6 39 24	75 03	60	8A					C. H. L. J. GALLAHAM
MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	M10	M10				H. PED. AVIATION AGENCY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-HARTMAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Tables"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- Θ Thermometers are generally exposed in a shelter located a few feet above soil-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gauge is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing: if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gauge. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- Y Includes total for previous month.
- X Observation is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

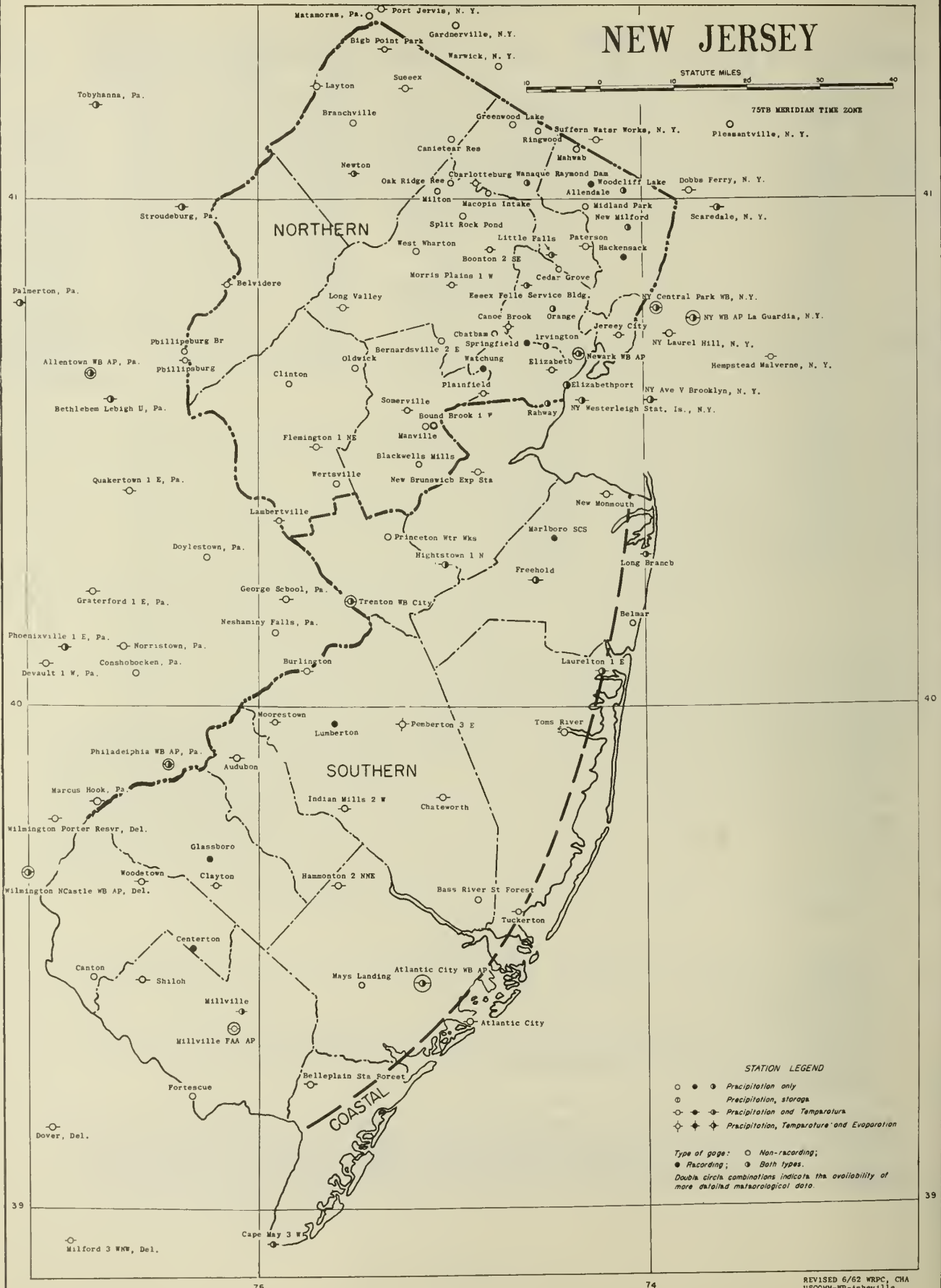
Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NEW JERSEY

STATUTE MILES

75TH MERIDIAN TIME ZONE



57.05
NN J

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

JUNE 1963
Volume 68 No. 6



THE LIBRARY OF THE
SEP 5 1963
UNIVERSITY OF CALIFORNIA

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 102° on the 28th at Hammonton 2 NNE

Lowest Temperature: 37° on the 22d at Long Valley

Greatest Total Precipitation: 6.41 inches at Audubon

Least Total Precipitation: 0.47 inch at Long Branch

Greatest One-Day Precipitation: 2.47 inches on the 28th at Audubon

SPECIAL WEATHER SUMMARY

From a meteorological viewpoint, near-drought conditions prevailed in central New Jersey during June. Trenton's combined precipitation for April, May, and June totalled only 3.64 inches, compared to a normal value of 10.43 inches. This is the driest April-June period on record for Trenton, where the records go back to 1866, with a few missing periods in the 1880's.

This is also the driest January-June period for Trenton, with a six-month precipitation total of 12.19 inches. Normal precipitation for this period is 19.96 inches. The Trenton data are fairly representative for the central

counties of New Jersey. Northern and southern portions of the State have had more adequate rainfall than has the central area. The heat wave of late June severely aggravated the drought situation.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
JUNE 1963

Station	Temperature										Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max.	Min.	10° or Above	32° or Below					Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
NORTHERN	78.9	53.1	66.0	- 4.6	94	28	38	18	50	3	0	0	0	3.24	- 1.20	2.08	30	.0	0		4	1	1				
	78.1	56.2	67.2	- 0.7	92	29+	43	22	35	4	0	0	0	2.69	- 1.20	.75	15	.0	0		6	3	0				
	80.0	55.0	67.5	- 0.5	97	28	43	22+	42	4	0	0	0	2.38	- 1.65	.92	30	.0	0		5	2	0				
	76.6	53.5	65.1	- 1.4	91	29+	43	22+	75	3	0	0	0	3.14	- 1.10	.92	8	.0	0		6	2	0				
	82.4	58.4	70.4	- 0.4	97	27+	47	22	7	5	0	0	0	.96	- 2.80	.43	3	.0	0		3	0	0				
	80.0	56.1	68.1		97	29+	44	21	33	4	0	0	0	1.54		.82	15	.0	0		3	1	0				
	84.2	52.4	68.3	- 2.3	100	28+	40	22	34	8	0	0	0	1.56	- 2.24	.62	4	.0	0		5	1	0				
	76.2	53.7	65.0		91	28+	42	22+	82	3	0	0	0	3.75		.80	21	.0	0		9	3	0				
	78.3	61.8	70.1	0.0	97	27	53	22	17	4	0	0	0	3.04	- .41	1.16	3	.0	0		5	3	1				
	84.3	56.2	70.3	0.2	99	27	42	22	13	7	0	0	0			.68	5	.0	0		1	0	0				
DIVISION	78.2	52.3	65.3		92	29+	41	23+	63	4	0	0	0	4.09		1.07	8	.0	0		6	4	2				
	83.5	57.4	70.5	0.8	98	28	50	23+	16	6	0	0	0	2.93	- 1.32	.91	15	.0	0		5	3	0				
	78.6	51.5	65.1	- 2.13	93	28+	37	22	67	3	0	0	0	2.00	- 2.13	.50	15	.0	0		6	1	3				
	80.1	55.2	67.7		96	28+	42	22	35	5	0	0	0	2.72		.67	21	.0	0		7	2	0				
	81.6	62.3	72.0	- 0.7	99	27+	55	22+	4	6	0	0	0	2.01	- 1.43	.66	3	.0	0		7	1	0				
	80.2	52.9	66.6	- 0.8	96	29+	42	23+	50	4	0	0	0	2.84	- 1.46	.92	30	.0	0		7	3	0				
	81.0	60.5	70.8	- 0.1	98	29	51	22	13	5	0	0	0			.87	15	.0	0		3	0	0				
	85.9	55.1	70.5	- 0.5	99	28+	42	22	10	8	0	0	0	1.77	- 2.49	1.20	29	.0	0		4	1	1				
	81.8	57.3	69.6	- 0.3	98	27	44	22	14	6	0	0	0	1.35	- 2.98	.70	3	.0	0		3	1	0				
	83.6	56.0	69.8	0.0	100	26	42	22	15	7	0	0	0	1.74	- 2.14	.86	3	.0	0		4	1	0				
SOUTHERN	77.7	53.3	65.5	- 3.0	91	29	42	1	63	3	0	0	0	5.55	1.46	1.52	21	.0	0		8	4	3				
	68.2			- 1.0										2.59	- 1.42			.0									
	81.0	59.9	70.5	0.5	97	28+	50	22	13	6	0	0	0	3.07	.24	1.52	10	.0	0		4	2	1				
	84.1	58.5	71.3		100	27	48	12	10	7	0	0	0	6.41		2.47	28	.0	0		7	3	2				
	82.7	57.3	70.0		95	28+	44	22	21	7	0	0	0	3.05	- .34	1.33	3	.0	0		5	3	1				
	85.2	57.5	71.4	- 1.4	100	27	39	15	13	9	0	0	0	4.15	.50	2.00	29	.0	0		5	3	1				
	82.9	55.5	69.2		97	27	38	22	22	5	0	0	0	2.71		.85	29	.0	0		5	2	0				
	81.7	58.4	70.1	- 0.1	98	27	46	22	13	5	0	0	0	1.24	- 2.44	.65	3	.0	0		3	1	0				
	83.8	59.5	71.7	0.1	102	28	47	1	16	8	0	0	0	2.63	- 1.32	.80	4	.0	0		4	2	0				
	83.0	56.8	69.9	0.0	99	27	44	22	20	7	0	0	0	1.42	- 2.41	.45	3	.0	0		4	0	0				
COASTAL	82.6	55.4	69.0	- 1.2	98	27	39	22	29	7	0	0	0	3.20	- .70	1.19	29	.0	0		6	2	1				
	81.6	60.6	71.1		95	28+	50	16	13	6	0	0	0	3.63		1.29	20	.0	0		6	3	1				
	81.2	59.7	70.5		95	28+	48	22	15	5	0	0	0	4.14		1.24	3	.0	0		6	3	3				
	82.2	57.1	69.7	- 0.5	97	27+	44	15	26	6	0	0	0	2.54	- 1.02	1.28	30	.0	0		5	2	1				
	82.5	58.9	70.7	0.6	98	27	46	22	3	5	0	0	0	1.21	- 2.42	.49	3	.0	0		3	0	0				
	80.7	58.1	69.4		98	28+	49	22	14	4	0	0	0	1.51		.49	14	.0	0		4	0	0				
	82.8	55.6	69.2	- 1.8	97	27+	40	22	25	6	0	0	0	2.00	- 1.70	.80	29	.0	0		4	2	0				
	82.6	60.4	71.5	- 0.2	95	27	50	1	12	6	0	0	0	4.12	.71	1.14	3	.0	0		8	3	2				
	82.4	54.5	68.5		98	27	40	22	28	5	0	0	0	3.03		1.27	29	.0	0		4	3	1				
	91.8	60.5	71.2	0.2	98	27	51	22	12	7	0	0	0	1.53	- 2.07	.79	29	.0	0		4	1	0				
DIVISION	80.6	58.7	69.7		96	27	43	22	21	5	0	0	0	2.69		1.05	29	.0	0		5	3	1				
	84.1	58.5	71.3		97	27	47	22+	9	9	0	0	0	2.91		.80	11	.0	0		6	3	0				
	70.3			- 0.4										2.86	- .76			.0									
	69.5			0.1										1.63	- 1.44			.0									
	76.6	62.7	69.7	0.7	94	25	54	22+	8	4	0	0	0	2.13	- .91	.85	3				3	2	0				
	79.2M	62.8M	71.0M		99	27	50	1	3	3	0	0	0	2.29		1.28	3	.0	0		4	1	1				
	77.2	58.6	67.9	- 1.2	98	27	47	22	34	3	0	0	0	.47	- 2.94	.32	3	.0	0		1	0	0				
	69.5			0.1										1.63	- 1.44			.0									

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
JUNE 1963

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ATLANTIC CITY WB AR	3.07		.08	.95				T	T		1.52	.01									.29	.01								.13	.08				
ATLANTIC CITY	2.13		.02	.85				.01			.78	.01			.01						.37	.01								.06	.01				
AUDUBON	6.41		T	.80				.08			.49	.13			.06	.22					.10								2.47	2.00	.06				
BASS RIVER ST FOREST	1.60			.02	.67					.19	.07	.52											.29								.03				
BELLERLAIN STA FOREST	3.05		.07	1.33							.14	.63			.03								.59								.07				
BELVIDERE	3.24				.15		.05					.06	.05	.04		.49							.32							T	2.08				
BERNARDSVILLE 2 E	2.40			.55	.03	.10			.06			.04	.01			.11							.19							.26	1.05				
BLACKWELLS MILLS	.75			.44								.04	.02			.11															.14				
BOONTON 1 SE	2.69			.33	.03	.11	T		.54		T					.75	T						.54							.09	.30				
BOUND BROOK 2 W	1.04			.69	.03	.12		T			T	.12		T	T	T							.01							.07					
BRANCHVILLE	3.72				.12		T		1.05		.15	.10	.03		T	.22						1.19								.53	.33				
BURLINGTON	4.15		.90								.15				.06	.47							.04						.51	2.00	.02				
CANISTEAR RESERVOIR	4.50			.34		.46	T		.89		.02	T	.06		T	.23							1.83							.32	.35				
CANOE BROOK	2.38			.65		.13		.11			.02	.03				.45	T						.07							T	.92				
CANTON	2.60		.23	.65				.08	.20	.26					.05								.44							.04	.65				
CARE MAY 3 W	2.29		.08	1.28				.02	.19	.01	.01	.29					.01																		
CEDAR GROVE	3.34				1.10		.06	.05	.44		.08	.12				1.00							.05								.22	.22			
CHARLOTTEBURG	3.14			.53	.02	.48	T	.92	.01		.03	.26	.02				.02						.45								.09	.35			
CHATSWORTH	2.71			.81							.03	.26			.08																.49	.85	.19		
CLINTON	1.25			.60		.15					T	.04	T		.01	T	.14						.10								T	.21			
ELIZABETH	.96		.43				.04	.02			.05	.16	.01		.01	.12															.09				
ELIZABETHPORT	1.83		.59		.03	.39					.04	.13			T	.12															.56				
ESSEX FELS SERV BLOG	1.54						.07		.34		.04					.82						T	.03								.04	.20			
FLEMINGTON 1 NE	1.56			.62		.23					.15			T	T	.09							.19								T	.28			
FORTESCUE	2.87			.90			.12				.95												.65									.25			
FREEHOLD	1.24			.65	.04			.04			.02				.06	.32							.01								.10				
GREENWOOD LAKE	4.19				.46		.58			.04	.60		.04	.14	.06		.38						1.13								.42	.34			
HAHMONTON 2 NNE	2.63		.02	.08	.80	.06		.02	.06		.04	.75	.01										.80								.02	.38			
HIGH POINT PARK	3.75			.25		.06		.31	.74		.28	.06	.14			.18							.80								.61	.32			
HIGHTSTOWN 1 N	1.42			.45			.27				.01	.05			.07	.12							T								.05	.40			
INDIAN MILLS 2 W	3.20		.01	.85				.02			.04	.34			.04	T						.04	.11								.46	1.19	.10		
IRVINGTON	.79			.42				.08			.02				.10	.07															.05	.05			
JERSEY CITY	3.04			1.16				.26			.02	T			.07	.57															T	.39			
LANBERTVILLE	-			.40	.01	.68	.01			T		.05			.05								.03								.28				
LAYTON 2	4.09			.05	T	.53		.02	1.07	T	.10	.05	.03			.08							1.04								.77	.35			
LITTLE FALLS	2.93			.69	T	.04		.02	.55		.08					.91							.05								.39	.20			
LONG BRANCH	2.47			.32				T							T	.05															T	.09			
LONG VALLEY	2.00			.47	.02	.23		.14	.27		.08	.09	.05			.50						.01									.18	.03	.55		
MAHWAH	2.39			.48			.14	.24			.02	.23	.03			.40		.06						.18								.08	.10		
MANVILLE	1.34			.54			.25				.05	.18	.18			.05								.04											
MAYS LANDING	2.68			.15	.91			.07			.95	.07				T															.33	.07	.13		
MIDLAND PARK	2.27			.63				.37			.05	.03				.63							.10								.46	T			
MILLVILLE	3.63		.09	.95				.19	.02		.76	.10			.02																1.29	.02	.18	.01	
MILLVILLE FAA AIRPORT	4.14		.11	1.24				.21	.02		1.12	.01			.03							1.15	.03								.20	.02	.20	.02	
MILTON	3.92			.32		.72		.93			.13	.07				.31							.74								.16	.54			
MOORESTOWN	2.54			.55			.03				.24	T			T	.22															.06	.16	1.28		
MORRIS PLAINS 1 W	2.72			.45	.01	.10	T	.20	.02		T	T			T	.44	T														.67	.33	.50		
NEWARK WB AIRPORT	2.01			.66	T	.23	.16	.09			.09	.03	T		.22	.21															.15	.16	T		
NEW BRUNSWICK EXR STA	1.21			.49	.11			.01			.03	.04			.02	.45															T	.02	.04		
NEW MILFORD	2.11			.35			.20				.03	.25			.86																.10	.32			
NEW MONMOUTH	1.51			.43	.24										.49	.32		.01													T		.02		
NEWTON	2.84			.05		.17		.02	.63		.11	T	.03			.19							.62								.10	.92			
OAK RIDGE RESERVOIR	4.24			.36		.78		.02	1.01	T	.06	T	.06			.36		.05					.81								.17	.56			
OLDWICK	1.62			.46	.07	.14			.01		T		.07	T		.20															T	.23			
ORANGE	1.86			.75			.24	.03			.03					.80																.04			
RATERSON	-			.67			.05	.65			.03	.29	T			.87	T															.45	.19		
PEMBERTON 3 E	2.00		T	.55							.05	.29	T			.15															.03	.80	.07		
PHILLIPSBURG	1.77			T	.29		.11				.05					.12																1.20			
PHILLIPSBURG BRIDGE	1.78			.22			.26				.02	T	.02	.04		.30																.74			
PLAINFIELD	1.35			.70		T		T			.02	.37			.																				

DAILY TEMPERATURES

NEW JERSEY
JUNE 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX MIN	76 51	69 56	68 62	77 59	80 63	87 65	85 60	66 59	85 61	91 60	74 60	67 57	76 52	71 58	74 58	75 52	77 53	85 59	85 61	78 63	70 55	77 50	86 54	87 59	95 62	96 65	97 68	97 73	88 71	90 71	81.0 59.9	
ATLANTIC CITY	MAX MIN	70 58	66 62	65 62	68 62	70 63	85 65	82 60	64 80	80 62	90 60	69 70	67 57	75 54	69 62	70 60	73 57	80 64	76 66	70 67	71 61	76 54	79 58	83 62	94 66	91 66	90 71	87 73	78 72	84 73	76.6 62.7		
AUUBON	MAX MIN	85 50	74 55	69 59	85 62	86 65	86 66	85 59	72 56	86 63	91 66	79 60	69 48	78 54	74 55	75 60	82 50	88 53	88 59	87 72	72 55	79 49	88 50	91 54	96 59	99 61	100 67	99 68	88 70	91 68	84.1 58.5		
BELLEPLAIN STA FOREST	MAX MIN	77 50	76 45	68 62	81 57	84 62	85 60	82 62	75 58	84 66	90 66	89 61	77 59	75 51	75 52	74 58	74 45	77 47	84 50	86 57	82 55	80 64	76 44	83 48	88 51	94 54	94 57	95 61	95 68	90 70	91 80	82.7 57.3	
BELVIOERE	MAX MIN	78 48	79 48	78 49	72 52	79 59	79 61	83 61	74 58	72 58	82 62	86 57	73 57	64 51	75 51	71 53	68 47	74 47	80 38	83 52	84 53	80 51	85 44	86 44	77 47	85 50	82 50	92 51	94 58	88 63	75 69	78.9 53.1	
BOONTON 1 SE	MAX MIN	79 48	80 48	77 58	73 60	79 60	82 60	82 62	68 56	71 56	83 65	72 55	71 58	64 55	76 54	70 58	67 48	75 48	81 53	83 51	84 55	81 55	63 43	75 54	82 54	86 56	90 57	92 62	92 63	73 68	78.1 56.2		
BURLINGTON	MAX MIN	82 52	77 56	69 56	85 65	86 63	87 48	85 64	72 57	87 60	92 63	77 58	75 57	78 54	78 56	74 39	79 52	85 53	88 58	90 63	88 57	88 57	79 44	88 53	91 61	97 54	97 66	100 72	98 62	93 60	91 72	85.2 57.5	
CANOE BROOK	MAX MIN	80 43	76 46	74 49	71 61	78 61	84 60	85 61	69 57	76 58	76 64	77 56	75 58	77 52	71 51	69 47	77 48	82 53	85 53	87 55	84 55	86 55	79 43	85 45	88 51	92 54	95 54	97 58	95 62	87 68	87 68	80.0 55.0	
CAPE MAY 3 W	MAX MIN	73 50	73 60	70 62	70 61	72 62	84 64	87 64	90 60	78 60	86 69	89 63	74 64	70 61	74 62	71 64	73 57	75 56	80 63	77 64	77 65	75 62	74 55	76 65		85 64	89 69	99 90	82 70	86 68	79.2 62.8		
CHARLOTTEBURG	MAX MIN	77 46	79 43	75 46	70 49	76 60	81 59	81 60	67 53	71 54	83 63	69 52	68 53	61 51	75 51	68 56	73 47	80 45	80 49	84 54	80 51	81 50	61 43	74 49	82 50	85 57	89 61	90 59	91 67	72 72	76.6 53.5		
CHATSWORTH	MAX MIN	82 44	77 51	72 58	84 61	85 63	85 63	83 63	68 58	84 59	90 67	89 57	75 57	72 52	76 50	73 58	78 48	78 47	86 50	86 54	83 55	79 60	76 38	86 45	89 50	92 52	96 54	97 63	93 63	86 67	88 61	82.9 55.5	
ELIZABETH	MAX MIN	82 52	79 54	77 57	78 61	84 68	84 62	81 61	70 61	82 55	83 64	71 54	68 57	78 52	76 54	72 59	80 50	86 52	89 58	85 59	80 57	77 47	88 51	90 57	95 60	97 62	97 64	93 68	82 71	88 69	82.4 58.4		
ESSEX FELS SERV BLOC	MAX MIN	79 50	80 48	78 53	72 61	79 62	84 61	84 61	68 57	72 57	86 65	76 58	75 56	65 51	78 52	71 58	65 48	77 48	83 53	84 57	87 54	65 44	78 48	83 55	86 53	89 56	94 56	96 60	97 64	73 69	80.0 56.1		
FLEMINGTON 1 NE	MAX MIN	84 44	86 46	79 54	75 57	83 59	86 58	85 60	79 58	75 58	86 52	90 56	79 58	65 51	79 47	77 52	71 44	81 44	87 50	88 48	91 49	87 52	70 40	78 41	90 47	93 52	97 54	100 59	97 62	88 70	84.2 52.4		
FREEHOLO	MAX MIN	79 52	76 56	69 58	80 60	86 61	84 63	81 60	69 55	84 57	83 60	75 55	70 57	77 52	69 55	70 49	80 55	86 57	85 58	84 58	79 61	77 47	85 51	90 57	95 59	98 58	98 67	94 68	86 69	76 69	81.7 58.4		
HAMMONTON 2 NNE	MAX MIN	82 46	84 54	71 58	68 62	84 65	88 62	87 62	85 65	76 59	87 65	91 59	77 60	66 52	76 57	73 59	78 52	81 52	88 59	90 62	87 59	80 70	78 48	87 52	92 56	96 61	99 66	102 70	100 71	97 70	83.8 59.5		
HIGH POINT PARK	MAX MIN	72 49	79 53	79 53	70 60	73 58	78 60	84 60	65 51	67 51	83 58	69 49	71 47	65 42	78 54	65 50	60 48	74 50	82 54	88 56	85 45	57 42	71 47	80 53	85 57	89 57	91 56	91 65	90 64	68 64	76.2 53.7		
HIGHTSTOWN 1 N	MAX MIN	82 49	76 51	67 51	81 62	88 60	84 63	81 60	71 57	85 60	88 63	76 57	65 57	79 52	71 52	71 58	83 49	87 50	87 56	90 57	88 57	73 59	77 44	89 48	92 51	95 55	97 55	99 64	98 67	91 70	83.0 56.8		
INDIAN MILLS 2 W	MAX MIN	82 42	71 51	68 57	83 59	85 61	85 62	85 61	70 57	85 61	90 66	75 58	69 57	75 50	71 51	73 58	78 45	81 47	86 52	88 54	86 71	76 39	87 43	92 48	95 50	97 54	98 63	97 64	91 68	88 66	82.6 55.4		
JERSEY CITY	MAX MIN	76 59	72 60	70 57	73 63	77 64	82 66	76 63	65 61	84 61	75 61	67 59	63 57	78 55	68 62	65 59	74 57	79 59	85 63	84 62	76 64	68 58	78 53	87 59	88 63	93 68	96 71	97 70	74 71	84 70	78.3 61.8		
LAMBERTVILLE	MAX MIN	83 48	80 49	72 56	84 64	85 62	85 62	85 63	71 58	86 63	91 65	80 59	75 59	76 55	78 50	74 48	79 47	84 49	87 54	89 54	86 56	81 58	78 42	87 45	90 50	95 55	97 52	99 61	97 65	90 71	84.3 56.2		
LAYTON 2	MAX MIN	79 46	82 43	80 46	74 56	79 58	82 62	83 59	69 55	72 57	85 63	73 54	70 53	61 52	76 50	70 53	67 47	75 44	78 47	83 50	86 51	79 52	62 41	70 41	83 46	87 51	91 50	92 53	92 63	74 68	78.2 52.3		
LITTLE FALLS	MAX MIN	82 51	84 50	80 54	84 62	82 63	87 61	86 63	82 58	84 54	86 66	74 55	78 58	65 53	81 53	73 58	67 50	80 52	84 55	88 56	89 57	85 53	66 55	80 50	88 54	90 58	95 58	97 64	98 68	94 70	83.5 57.4		
LONG BRANCH	MAX MIN	75 52	69 54	62 58	70 58	77 62	84 63	71 62	66 56	86 63	73 60	68 58	64 55	77 53	70 57	68 57	72 51	78 54	80 60	75 60	69 53	78 47	84 53	85 57	89 61	92 62	98 68	91 72	80 70	84 71	77.2 58.6		
LONG VALLEY	MAX MIN	79 49	80 44	77 49	70 54	77 60	71 60	82 57	72 56	72 56	82 62	85 56	71 56	61 50	76 47	70 50	68 48	75 43	80 44	83 48	85 50	80 52	64 37	75 39	84 47	87 47	91 50	93 52	93 54	89 60	77 68	78.6 51.5	
MILLVILLE	MAX MIN	78 52	80 57	69 61	88 61	81 68	83 61	87 68	88 68	78 57	85 68	90 61	79 69	67 55	75 57	76 60	74 50	76 53	78 59	85 59	86 61	84 67	70 52	76 52	85 58	88 66	93 66	95 67	95 70	94 73	94 69	81.6 60.6	
MILLVILLE FAA AIRPORT	MAX MIN	80 49	69 58	67 62	81 63	82 64	84 63	85 59	67 58	85 63	89 65	80 63	69 56	76 51	76 58	76 54	75 50	77 53	83 59	86 59	81 61	70 53	74 48	84 55	86 58	92 61	93 66	95 69	95 72	89 70	90 73	81.2 59.7	
MOORESTOWN	MAX MIN	80 48	71 52	68 58	80 60	83 61	85 65	82 59	70 58	85 63	91 60	76 58	70 56	71 54	73 44	77 48	82 50	87 59	86 60	86 56	71 52	78 45	88 51	91 48	94 56	97 60	97 72	96 71	87 69	87 70	82.2 57.1		
MORRIS PLAINS 1 W	MAX MIN	80 47	83 45	77 50	72 62	78 60	84 59	81 60	68 55	73 56	84 64	75 56	74 57	63 53	80 52	71 58	69 48	79 47	83 50	86 53	82 51	65 46	77 50										

DAILY TEMPERATURES

NEW JERSEY
JUNE 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUSSEX	MAX	78	81	81	75	81	83	80	75	76	84	66	71	60	74	70	65	74	78	80	85	82	61	73	81	85	87	90	90	91	74	77.7	
	MIN	42	46	49	52	59	61	64	50	60	61	52	53	52	51	54	46	46	49	53	55	52	45	48	51	53	55	55	61	61	62	53.3	
TOMS RIVER	MAX	78	74	68	81	86	85	84	67	87	86	76	68	74	73	78	78	65	86	86	82	85	76	85	85	93	94	98	97	90	87	82.4	
	MIN	44	50	58	60	62	62	59	58	59	64	56	59	50	50	56	46	48	52	51	50	62	40	45	48	51	45	55	61	65	68	54.5	
TRENTON WB CITY	MAX	82	74	67	83	85	85	76	68	86	90	74	66	76	71	70	78	82	86	87	85	70	76	86	90	94	97	98	95	86	90	81.8	
	MIN	55	56	58	63	62	66	58	56	62	60	58	55	53	59	58	53	58	60	64	62	58	51	56	62	65	65	70	73	68	70	60.5	
TUCKERTON	MAX	80	72	66	76	78	86	83	65	90	88	75	70	76	76	74	75	77	83	84	76	74	76	81	83	95	94	96	94	85	89	80.6	
	MIN	61	45	60	60	62	64	62	58	61	59	58	59	51	57	60	49	50	60	60	65	62	43	51	53	55	60	67	69	70	69	58.7	
WOODSTOWN	MAX	81	71	69	81	83	85	89	73	86	92	92	78	76	75	76	77	80	87	87	86	77	78	87	90	95	96	97	96	92	91	84.1	
	MIN	47	55	58	63	61	65	67	55	62	65	61	58	54	59	53	49	51	56	57	58	62	47	49	52	59	59	63	69	72	68	58.5	

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT # 1																																	
1 INCH	MAX MIN	75 62	75 62	68 65	78 66	80 67	80 69	72 66	73 65	78 66	79 68	75 67	67 64	75 62	71 64	70 64	78 61	80 64	81 66	81 67	80 67	78 66	78 63	84 64	85 67	88 69	89 70	87 71	85 73	83 74	86 74	73.5 66.4	
2 INCHES	MAX MIN	73 62	73 62	68 65	76 66	78 67	78 68	71 66	72 66	76 66	77 68	73 67	67 64	73 62	69 64	69 65	75 61	78 64	79 67	79 67	79 67	76 64	76 64	80 67	82 67	84 69	85 70	84 72	82 73	80 74	84 73	76.6 66.4	
4 INCHES	MAX MIN	69 62	70 63	67 65	73 64	74 67	74 68	70 67	69 65	72 66	73 67	70 67	67 65	70 62	67 64	65 67	71 64	74 64	74 66	75 68	74 69	73 65	75 67	77 69	79 70	80 71	79 70	73 71	73 70	77 73	79 73	72.9 66.6	
8 INCHES	MAX MIN	67 63	67 63	66 65	68 64	70 66	70 67	68 67	69 65	69 65	70 67	68 67	67 65	67 63	66 65	66 65	68 63	69 65	70 67	71 68	71 68	71 69	70 66	72 68	74 70	74 72	75 72	74 72	74 73	75 72	69.9 60.0		
16 INCHES	MAX MIN	62 61	62 61	63 62	64 62	64 63	65 64	65 65	65 64	65 64	65 65	65 65	64 63	64 64	64 64	64 64	64 65	65 65	65 66	65 66	67 67	67 66	67 66	67 67	67 67	68 69	69 68	69 69	70 69	70 70	71 70	65.8 64.9	
32 INCHES	MAX MIN	58 57	58 58	59 58	59 59	60 59	60 60	61 61	61 60	61 60	61 61	62 61	62 61	62 61	62 61	61 61	62 61	62 61	62 62	62 62	63 62	64 63	64 63	64 63	64 63	64 63	65 64	65 64	65 65	66 65	66 66	62.2 61.6	
PLOT # 2																																	
1 INCH	MAX MIN	92 58	88 60	74 65	86 66	91 66	94 70	78 65	85 64	97 67	93 70	86 64	70 60	91 63	78 63	72 60	92 56	99 60	99 65	103 67	100 68	92 59	96 62	104 67	106 71	109 70	111 71	108 70	104 73	92 77	100 75	93.0 65.6	
2 INCHES	MAX MIN	90 59	87 61	73 66	85 66	89 67	92 70	77 65	83 64	95 67	91 70	85 65	70 61	89 59	77 64	72 61	90 57	96 61	97 65	100 68	98 68	90 71	94 60	101 63	103 68	106 71	108 72	106 71	102 73	90 78	98 75	91.2 66.2	
4 INCHES	MAX MIN	85 61	83 63	71 67	81 66	85 67	88 70	76 66	79 65	90 67	86 70	80 67	70 62	84 65	75 63	70 65	85 59	90 63	92 67	94 70	92 69	87 63	90 65	96 70	98 73	101 74	103 74	101 72	97 79	87 78	94 76	87.0 67.6	
8 INCHES	MAX MIN	76 64	75 65	69 62	74 66	76 67	79 70	72 69	73 66	79 68	78 72	74 69	71 65	75 63	70 67	68 65	75 62	79 65	82 69	84 71	82 72	80 74	80 68	84 69	86 73	89 75	90 76	90 79	87 81	82 79	85 76	78.8 69.8	
PEMBERTON 3 E																																	
PLOT # 1																																	
1 INCH	MAX MIN	76 64	74 66	69 66	77 66	81 70	79 71	79 71	77 69	79 70	81 71	81 69	76 68	75 63	75 63	74 66	76 67	78 63	80 65	82 66	81 68	79 71	81 61	89 64	86 66	88 68	90 69	90 73	91 75	85 76	86 76	80.5 68.0	
4 INCHES	MAX MIN	66 60	65 62	62 61	67 64	69 66	69 66	69 65	69 65	70 64	70 65	66 65	66 63	65 60	65 63	65 61	65 60	65 62	64 64	69 67	69 69	69 69	69 62	69 70	71 62	78 71	76 67	76 70	78 75	75 72	76 71	69.3 64.3	

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP	.19	.24	.21	.06	.15	.15	.17	.04	.09	.18	.13	.11	.11	.19	.06	.09	.18	.22	.22	.25	.16	.23	.20	.25	.25	.27	.27	.26	.15	.14	5.22	
	WIND	24	30	32	74	41	24	13	36	46	9	39	34	31	26	24	28	15	25	14	34	42	40	22	19	17	20	15	16	21	18	829	
	MAX MIN	88 58	88 57	89 57	82 61	73 64	86 65	89 67	91 58	70 68	78 63	-	81 60	78 59	66 55	68 57	68 59	83 55	86 59	89 60	94 63	92 61	89 62	82 51	80 54	22 61	19 61	17 63	25 63	26 64	100 69	92 72	86.3 60.9
PEMBERTON 3 E	EVAP	.23	.10	.14	.14	.16	.24	.24	.09	.15	.17	.14	.19	.16	.09	.28	.19	.19	.27	.13	.24	.27	.24	.33	.29	.24	.54	.16	.19	.18	.07	6.15	
	WIND	27	47	64	55	23	29	32	49	36	12	20	41	53	10	45	15	8	12	16	30	40	43	7	12	17	15	19	19	6	1	808	

CLIMATOLOGICAL DATA

NEW JERSEY
DELAYED DATA

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degrees Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										80° or Above	32° or Below	32° or Below	64° or Below										
										80° or Above	32° or Below	32° or Below	64° or Below										
DECEMBER 1962																							
BELVIDERE	37.6	17.3	27.5	- 4.4	69	1	- 2	31	1155	0	12	29	1	2.49	- 1.17	.83	6	13.6	7	31+	6	2	0
PATERSON	40.3	23.1	31.7	- 2.4	69	2	1	31	1023	0	7	26	0	2.81	- 1.02	.96	6	7.5	3	22	5	2	0
JANUARY 1963																							
LONG VALLEY	M	15.1	M				-16	31		0	30	3	2.61	- .93	.63	26	9.7	9	27+	7	2	0	
FEBRUARY 1963																							
LONG VALLEY	M	M	M							0				1.04	- 1.98	.28	25	6.1			4	0	0

DAILY PRECIPITATION

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SEPTEMBER 1962																																
CLINTON	4.50	.68		.04	.65					.40				.02			.78		.25			.03			.08	1.23	.30	.04				
OCTOBER 1962																																
CLINTON	2.72				.80	.18			.57	.03												.06			.48		.10		.50			
NOVEMBER 1962																																
CLINTON	2.32		1.40					.08	.02	.22							.22	.08		.02	.08	.20										
DECEMBER 1962																																
BELVIDERE	2.49			.12	.83	.08	.03	.12						T		T	T	T		T	.80	T		.09	.06	.03	.13	.20				
CEGAR GROVE	2.75			.25	1.05	.04	.50									.03					.71			.17								
CHATHAM	2.49			.16	.77	.46	.02	.20													.69	T		.19		T						
CLINTON	2.88			.31	.68	.32	.25							.02							.67			.25		.04	.34					
PATERSON	2.81			.22	.96	.34	.06	.09						T	T	.07			T		.70				.29	.06	.02					
JANUARY 1963																																
BELMAR 2 SW	.70										T			.40			T				.10						.20					
LONG VALLEY	2.61			T		T				.18	.44	.24	.12				T			T	.58	.10		.42		.63						
FEBRUARY 1963																																
BELMAR 2 SW	.90										T		.10							.30		.10										
LONG VALLEY	1.04		T		.40						.26	.24	T								T			.26	.28							
MARCH 1963																																
PRINCETON WATER WORKS	4.09	.65	.05	.44	.03	1.19				T	.14	.33	T				.30	.17		.17	.34	T				.28						

See Reference Notes Following Station Index

DAILY TEMPERATURES

NEW JERSEY
DELAYED DATA

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DECEMBER 1962																																	
BELVIOERE	MAX	69	61	58	57	50	52	41	39	38	32	26	25	21	25	26	35	30	43	39	42	23	37	38	38	28	43	36	37	32	32	13	37.6
	MIN	20	26	24	24	35	40	27	29	23	17	9	4	8	11	8	20	12	29	27	21	6	12	17	19	16	24	4	10	9	6	- 2	17.3
PATERSON	MAX	64	69	68	60	55	48	54	39	46	34	29	28	27	25	27	28	33	37	41	41	40	36	37	41	36	36	40	33	38	36	22	40.3
	MIN	31	38	34	31	34	42	30	30	30	21	17	15	12	12	13	18	19	22	31	34	8	9	25	30	25	27	19	20	22	17	1	23.1
JANUARY 1963																																	
LONG VALLEY	MAX	30	31	38	37	36	40	43	41	39	52	39	37	35	30	35	32	33	38														
	MIN	7	6	17	27	9	20	11	21	23	18	26	34	30	13	17	10	23	20	27	32	13	8	17	- 3	- 4	3	4	16	16	24	-16	15.1
FEBRUARY 1963																																	
LONG VALLEY	MAX							38	36	30	44	36	34	34	34	34				46	41	48	42			32	34	32		33			
	MIN							10	21	18	20	20	24	28	10	- 6				5	20	30	24			0	7	4		11			

SNOWFALL AND SNOW ON GROUND

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DECEMBER 1962																																
PATERSON	SNOWFALL SN ON GND							.2	.1		1.2 1	1	T		T	T	1.0 1						3.8 3	2	2	1	1.0 1		.1 T		.1	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent			Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	7:00 AM EST	NOON EST	7:00 PM EST	Trace	.01-09	.10-49	.50-99	1.00-199	2.00 and over	Total		
FEBRUARY 1963																		
LONG BRANCH	NW	12	11.6	46	ENE	19	68	55	58	5	4	2	0	2	0	13	60	5.6

CORRECTIONS

March 1963	Climatological Data Table	Pemberton 3 E	Total Precipitation 4.15 inches.
March 1963	Daily Precipitation Table	Pemberton 3 E	Precipitation on 12th, 0.65 inch; Total Precipitation 4.15 inches.

DAILY PRECIPITATION

CORRECTED DATA
OCTOBER 1962

Station	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW MONMOUTH			T	.02	1.91	.21	T		.27	.02												T	.05	T		.50	.02			.17	.03	3.15
NEWTON				1.06	.22				.24	.12		.35	.04									T	.04	.02		T	.10		.03		.98	3.23
OAK RIDGE RESERVOIR				1.55	.44				.29	.18		.36	.04											.10	.03	.34		.05		.07	.35	3.42
OLMICK			.01	1.26	.15	T		T	.47			.11						T				T	.08		.32	.01			.07	.35	2.83	
ORANGE				3.38				.36	.26														.05		.06			.05	.60	4.76		
PATERSON				2.55	.96	.01		.07	.48			.24	.12					T				T		.06		.22	.42	.01	.84	5.98		
PEMBERTON 3 E			.05	.21	.02			.85															.10		.66	.02			.14	.02	2.07	
PHILLIPSBURG				.75	.10			.31	.09																			.41	.13	.93	2.72	
PHILLIPSBURG BRIDGE			.20	.60	.03			.33	.10													.02			.25			.04	1.07	2.69		
PLAINFIELD			.08	1.74				.43				.02										T	.05		T	.32		.02	.10	.18	2.94	
PRINCETON WATER WORKS				.10	.25			.35														T			.03	.40		T	.25	.02	1.42	
RAHWAY				.02	1.75	.16		.89	T		T														.10	.15		T	.11	.08	3.34	
RINGWOOD				.02	2.62	.07		.53	.20			.42	.05									.05		.08		.19				1.31	5.54	
SHILOH			.06	.18			T	.30	.02																.04	.01	.27		T	.03	.04	.95
SOMERVILLE			.03	.47	.05			.54	.10			.09												.06		.30			.11	.18	1.93	
SPLIT ROCK POND				2.27	.23			1.24	.15			.14															.17	.12			.98	5.39
SUSSEX				1.13	.47	.04		.21	.10													.02	.09	.05	.02	T		.14		1.03	3.30	
TOMS RIVER			3.55	1.45				.57	.03																	.25			.08		6.03	
TRENTON WB CITY			.16	.15				.71	.01																.03	.43		T	.10	.02	1.61	
TUCKERTON			.05	1.40	.10			.55																.11					T		2.21	
WANAOUE RAYMOND DAM			.03	2.38	.70			.44	.61			.24														.09	.02	.12	T	1.25	5.88	
WERTSVILLE			T	.44	.12		T	.46	.09	T															.07	.49	T	.04	T	.20	1.91	
WEST WHARTON			.10	1.12	.25			.34	.21			.20													.09					.81	2.12	
WOODCLIFF LAKE			.10	1.72				1.20	.05	.37	.07															.07	.09			.90	.02	5.05
WOODSTOWN			.09	.18	.03		T	.15	.05													T		.02		T	.10	.45	.02	.10	.05	1.14

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL (SEE PAGE 10)		
ALLENDALE	0100	BERGEN	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS
ATLANTIC CITY W 8 AP	0311	ATLANTIC	1	39 27	74 35	58	NID	MID			C H J	U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1	39 23	74 26	11	MID				C H J	U.S. WEATHER BUREAU
AUDUBON	0334	CAMDEN	2	39 04	75 04	50	1P	1P			C H J	U.S. WEATHER BUREAU
BASS RIVER ST FOREST	0528	BURLINGTON	1	39 37	74 26	20					H	N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAPE MAY	1	39 15	74 52	30		SP				BELLEPLAIN STATE FOREST
BELMAR 2 SW	0721	MONMOUTH	1	40 09	74 04	40		8A				BELMAR WATER WORKS
BEVDORRE	0729	WARREN	2	40 50	75 05	275	7A					CLIMENT HAUP
BERNARDSVILLE LAKE 2 E	0787	SOMERSET	8	40 53	74 32	240	7A					BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	8	40 29	74 35	27						HENRY M. MILLER
BOONTON 1 SE	0907	MORRIS	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BOUND BROOK 2 W.	0927	SOMERSET	10	40 33	74 34	50						AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5	41 09	74 65	580						ALBERT M. DAVENPORT
BURLINGTON	1211	BURLINGTON	2	40 04	74 53	12	6P					PUBLIC SVC. E. + G. CO.
CANISTEAR RESERVOIR	1327	SUSSEX	8	41 07	74 30	1040						NEWARK WATER DEPT.
CANOE BROOK	1335	ESSEX	8	40 45	74 21	180	8A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2	39 28	75 25	20						GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1	38 57	74 58	10	SP					N.W. MAGNETITE CO.
CEDAR GROVE	1472	ESSEX	8	40 52	74 13	400		8A				J. A. PLUNKETT
CENTERFORD	1512	SALEM	6	39 31	75 10	80					C	JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	8	41 02	74 26	760	7A				H	NEWARK WATER DEPT.
CHATMAN	1590	MORRIS	7	40 44	74 23	185					8A	EDWARD P. HOLTER
CLAYTON	1598	BURLINGTON	1	39 49	74 32	120		SP				EARL M. KERNER
CLAYTON	1708	GLOUCESTER	6	39 59	75 06	120						HARRY P. CAMPBELL
CLINTON	1749	HUNTERDON	10	40 38	74 54	280					8A	THOMAS L. HALPIN
ELIZABETH	2644	UNION	1	40 40	74 14	40		SP				UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	8	40 38	74 12	10		NID				SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLDG	2768	ESSEX	8	40 50	74 17	340	8A					BOROUGH ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUDSON	2	40 38	74 51	140		SP				HARRY P. CAMPBELL
FORTESCUE	3102	CUMBERLAND	2	39 14	75 10	5		7A				JOHN LOPER
FREEHOLD	3181	MONMOUTH	10	40 15	74 17	194	6P	C H				FRANK J. MOREAU
GLASSBORO	3291	GLOUCESTER	2	39 42	75 07	135						GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8	41 09	74 20	660						GEORGE T. WIGGINS
HACKENSACK	3572	BERGEN	4	40 53	74 03	10						BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7	39 39	74 48	85	8A					HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2	41 18	74 40	1570	8A					N. J. DEPT. OF CONS.
HIGHTSTOWN 1 N	3951	MERCER	10	40 17	74 31	100	6P	C H				JAMES R. PICKERING
INDIAN HILLS 2 W	4222	BURLINGTON	1	39 40	74 47	7						EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1	40 43	74 15	120						JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1	40 44	74 03	135	MID					JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2	40 22	74 57	75	6P					E. E. CASE
LAURELTON 1 E	4700	OCEAN	1	40 04	74 07	20		MID				PUBLICATION ENDED 8/62.
LATYON 2	4736	SUSSEX	2	41 15	74 52	390	7A	7A				CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8	40 53	74 14	150	9A	C H				PASSAIC VLT. WTR. COMM.
LONG BRANCH	4987	MONMOUTH	1	40 18	74 00	20		MID				WILLIAM D. MARTIN, JR.
LONG VALLEY	5003	MORRIS	10	40 47	74 47	540	SP	7A				MISS PEARL HINSHAW
LUMBERTON	5055	BURLINGTON	2	39 58	74 48	25						JAMES LAWTON
MACOPIN INTAKE	5071	PASSAIC	8	41 01	74 24	584						INACTIVE 1/61
MANHAW	5104	BERGEN	8	41 06	74 10	253						ROBERT G. GLASOFF
MANVILLE	5197	SOMERSET	10	40 33	74 34	50		7A				JOHN L. RADCLIFFE
NARLBORO SCB	5244	MONMOUTH	1	40 20	74 14	120						GEROW BRILL
NAYS LANDING	5348	ATLANTIC	3	39 27	74 44	10		9A				COUNTY EXTENSION SVC.
NIDLAND PARK	5503	BERGEN	8	40 59	74 09	210					NID	RIEGOWOOD WATER CO.
NILLVILLE	5576	CUMBERLAND	6	39 24	75 03	60		8A	NID			DR. J. GALLAWAY
NILLVILLE FAA AIRPORT	5581	CUMBERLAND	6	39 22	75 04	70			MID	NID		FEO. AVIATION AGENCY
MILTON	5597	MORRIS	8	41 01	74 32	950	7A					JERSEY CITY WATER WK.S.
MIDDESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A				H. J. WILLARD
MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A	8A				M. JOSEPH M. GARRIS, III
NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID				C H J	U.S. WEATHER BUREAU
NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	SP	SP				ARTHUR N. ANQUIST
NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					C	HACKENSACK WATER CO.
NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P				ST. MARYS SCHOOL
NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A			C H	NEWTON WTR. + SEW. COMM.
OKAR RIDGE RESERVOIR	6440	PASSAIC	8	41 02	74 30	870						NEWARK WATER DEPT.
OLDWICK	6544	HUNTERDON	10	40 40	74 45	260		8A				DAN A. COUGHLIN
ORANGE	6560	ESSEX	8	40 47	74 14	140		MID				COUNTY ENGINEER
PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A				P. J. DEL VECCHIO
PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	SP	SP	SP		GH	PHILIP L. MURKIC
PHILLIPSBURG	6974	WARREN	2	40 17	75 12	182	1P	3P				H SEWAGE DISPOSAL PLANT
PHILLIPSBURG BRIDGE	6979	WARREN	2	40 41	75 11	180		9A				TOWN OF PHILLIPSBURG
PLAINFIELD	7079	UNION	10	40 36	74 25	120	8P					HERS VIVIAN SCHERER
PRINCETON WATER WORKS	7328	MERCER	10	40 27	74 40	60		MID				PRINCETON WATER CO.
RAHWAY	7393	UNION	9	40 36	74 15	20						C R. HAWLEY VLT. SWG. AUTH.
RINGWOOD	7587	PASSAIC	8	41 08	74 16	305	10A					NO. JERSEY WTR. SUPPLY
SUSSEX	8051	CUMBERLAND	2	39 28	75 18	50		SP				EVERETT DICKINSON
SHILOH	8194	SOMERSET	10	40 35	74 37	90	6P					H. W. E. MAVER
SOMERVILLE	8402	MORRIS	8	40 58	74 28	800		10A				JERSEY CITY O. P. W.
SPLIT ROCK POND	8423	UNION	1	40 43	74 18							C N. J. DEPT. OF CONS.
SPRINGFIELD	8439	UNION	5	41 13	74 37	40	7A	7A				BRICE B. STANTON
SUSSEX	8644	SUSSEX	1	39 57	74 13	10		6P				TOMS RIVER WATER CO.
TOMS RIVER	8816	CUMBERLAND	1	39 57	74 13	10						
TRENTON W 8 CITY	8883	MERCER	2	40 13	74 46	56	MID				C H J	U.S. WEATHER BUREAU
TUCKERTON	8899	CUMBERLAND	1	39 36	74 20	10	6P					REY. WALTER T. GANOK
WANAUKE RAYMOND DAN	9187	PASSAIC	8	41 07	74 19	320	8A					C WATER SUPPLY COMM.
WATKINS	9217	UNION	8	40 40	74 25	10						C BONNIE BURN SANITARIUM
WESTVILLE	9363	HUNTERDON	10	40 27	74 48	160		7A				ROBERT M. MANNERS
WEST WHARF	9608	MORRIS	8	40 54	74 36	680	7A					N. J. POWER + LIGHT CO.
WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103		MID			C	HACKENSACK WATER CO.
WOODSTOWN	9910	SALEM	2	39 39	75 19	50	SP					CREAM VALLEY DAIRY
NEW STATION												
SEABROOK FARMS	7936	CUMBERLAND	2	39 30	75 14	90	8A	8A				SEABROOK FARMS CO.
H. E. & CASE												
PUBLICATION ENDED 8/62.												
CHARLES KOONS												
PASSAIC VLT. WTR. COMM.												
WILLIAM D. MARTIN, JR.												
MISS PEARL HINSHAW												
JAMES LAWTON												
INACTIVE 1/61												
ROBERT G. GLASOFF												
JOHN L. RADCLIFFE												
GEROW BRILL												
COUNTY EXTENSION SVC.												
RIEGOWOOD WATER CO.												
DR. J. GALLAWAY												
FEO. AVIATION AGENCY												

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sum of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table", "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, H, E, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- # Thermometers are generally exposed in a shelter located a few feet above and downwind; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gauge is equipped with a windshield.
- AM This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Water equivalent of snowfall wholly or partly estimated, unless a ratio of 1 inch water equivalent to every 10 inches of snow snowfall.
- W One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gauge. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, so amount too small to measure.
- V Includes total for previous month.
- X Observation is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

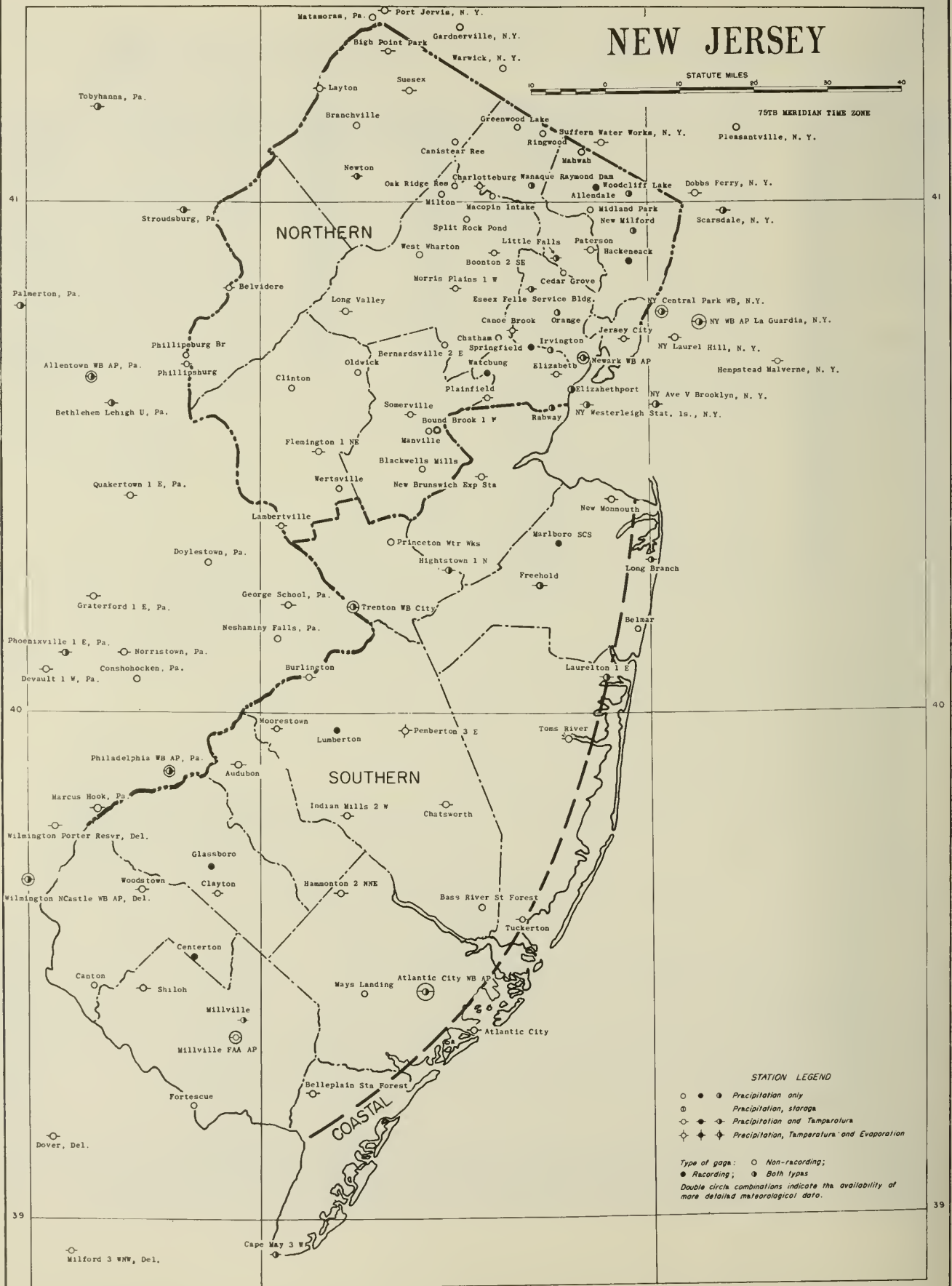
Information concerning the history of changes in locations, elevations, exposure, etc., of stations through 1955 may be found in the publication "Station History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NEW JERSEY

STATUTE MILES

75TH MERIDIAN TIME ZONE



551.05

UW1

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

JULY 1963

Volume 68 No. 7



ASHEVILLE: 1963

THE LIBRARY OF THE
OCT 24 1963
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 101° on the 3d at Flemington 1 NE

Lowest Temperature: 40° on the 9th at Layton 2

Greatest Total Precipitation: 6.79 inches at Orange

Least Total Precipitation: 0.90 inch at Chatsworth

Greatest One-Day Precipitation: 2.02 inches on the 20th at Trenton WB City

SPECIAL WEATHER SUMMARY

Electrical storms were responsible for 4 deaths and 2 injuries during the month. Two physicians were killed when they were struck by lightning while playing golf in Pennsauken during the late afternoon of the 20th. Two boys were returning from a fishing trip near OceanGate in the afternoon of the 29th, when lightning struck and killed one of the boys who was pedalling a bicycle, and injured his companion, who was a passenger on the bicycle. Also on the 29th, a farmer from Allentown, Monmouth County, was killed when struck by lightning while driving a tractor; his son receiving a spinal injury as the lightning bolt traveled along the towbar and knocked him from a haywagon which was being pulled by the tractor.

The near-drought conditions which began in April are still being felt in much of the State. The area around Hammonton was among the driest spots for the month of July. Even though other portions of the State received more rainfall, the runoff from the thundershowers failed to give full benefit to the parched soil.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
JULY 1963

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
																		Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										90° or Above	80° or Above	70° or Above	60° or Above											
NORTHERN																								
BELVIOERE	83.4	59.2	71.3	- 3.8	94	3	47	10+	11	8	0	0	0	3.81	- 1.49	.85	30	.0	0		9	3	0	
BOONTON 1 SE	83.7	61.0	72.4	- 0.4	94	27+	45	9	8	8	0	0	0	3.68	- .56	1.29	20	.0	0		6	3	1	
CANOE BROOK	85.4	60.2	72.8	- 0.2	96	28+	46	9	8	10	0	0	0	4.93	.38	1.27	21	.0	0		8	3	3	
CHARLOTTEBURG	82.5	58.5	70.5	- 0.4	93	3+	45	9	20	8	0	0	0	3.09	- 1.64	1.00	20	.0	0		6	2	1	
ELIZABETH	86.9	63.5	75.2	- 0.6	98	27+	51	9	2	12	0	0	0	2.47	- 2.04	.83	21	.0	0		6	1	0	
ESSEX FELS SERV BLOC	85.7	60.6	73.2		98	2	45	9	6	12	0	0	0	5.51		1.35	20	.0	0		6	4	3	
FLEMINGTON 1 NE	89.8	58.7	74.3	- 1.1	101	3	44	9+	3	14	0	0	0	2.08	- 2.44	.58	20	.0	0		6	2	0	
HIGH POINT PARK	80.9	58.0	69.5		93	3	41	9	27	7	0	0	0	5.33		1.10	20	.0	0		9	5	1	
JERSEY CITY	83.5	66.9	75.2	- 0.1	97	1	54	9	0	8	0	0	0	2.03	- 2.14	.87	20	.0	0		5	1	0	
LAMBERTVILLE	88.5	61.2	74.9	0.1	98	1	46	5	0	14	0	0	0	2.91	- 1.60	.74	8	.0	0		5	3	0	
LAYTON 2	83.2	57.3	70.3		93	27+	40	9	27	8	0	0	0	3.29		1.36	20	.0	0		5	3	1	
LITTLE FALLS	87.5	62.5	75.0	0.2	99	28	50	9	0	12	0	0	0	4.82	.28	1.65	20	.0	0		7	4	1	
LONG VALLEY	85.2	55.8	70.5		95	3+	43	10+	18	9	0	0	0	2.05	- 3.15	.77	30	.0	0		4	3	0	
MORRIS PLAINS 1 W	85.8	60.0	72.9		97	27+	46	9	5	11	0	0	0	2.95		.85	15	.0	0		6	3	0	
NEWARK WB AIRPORT	86.5	67.4	77.0	0.7	100	1	56	9	0	11	0	0	0	2.24	- 1.43	1.05	20	.0	0		5	2	1	
NEWTON	85.8	58.5	72.2	0.0	98	3	42	9	12	11	0	0	0	2.59	- 2.28	.61	20	.0	0		6	2	0	
PATERSON	86.4	66.0	76.2	0.5	98	3	51	9	2	12	0	0	0	3.39	- 1.24	1.75	20	.0	0		6	3	1	
PHILLIPSBURG	89.9	60.1	75.0	0.7	98	29+	46	5	0	15	0	0	0	2.84	- 2.45	1.04	8	.0	0		8	1	1	
PLAINFIELD	87.0	62.3	74.7	- 0.2	98	27+	48	9	2	11	0	0	0	2.80	- 1.81	1.02	14	.0	0		6	2	1	
SOMERVILLE	88.7	61.0	74.9	0.3	100	1	47	9	3	11	0	0	0	2.50	- 2.24	.66	8	.0	0		8	2	0	
SUSSEX	82.3	59.1	70.7	- 2.2	92	3	46	9	18	8	0	0	0	2.61	- 2.46	1.19	20	.0	0		6	1	1	
DIVISION			73.3	- 0.7										3.23	- 1.42			.0						
SOUTHERN																								
ATLANTIC CITY WB AP	86.2	66.0	76.1	1.0	98	19	55	9	0	10	0	0	0	2.60	- 1.12	1.46	28	.0	0		4	1	1	
AUQUON	87.6	64.7	76.2		97	27+	54	10+	0	12	0	0	0	2.84		1.15	21	.0	0		5	3	1	
BELLEPLAIN STA FOREST	87.6	61.8	74.7		97	19	48	5	0	12	0	0	0	1.84	- 3.00	.51	20	.0	0		6	1	0	
BURLINGTON	89.2	64.4M	76.8M	- 0.4	98	27+	47	11	0	15	0	0	0	3.20	- 1.04	1.10	14	.0	0		6	3	1	
CHATSWORTH	86.5M	61.4M	74.0M		97	27	45	5	1	12	0	0	0	.90		.70	21	.0	0		2	1	0	
FREEHOLD	86.7	63.0	74.9	0.0	100	1	52	9+	0	12	0	0	0	1.89	- 2.35	.97	21	.0	0		3	1	0	
GLASSBORO	87.5	64.4	76.0		98	28	52	5	0	12	0	0	0	1.63		.63	14	.0	0		5	1	0	
HAMMONTON 2 NNE	89.1	63.8	76.5	0.4	100	27+	53	10+	0	14	0	0	0	.98	- 3.58	.64	15	.0	0		3	1	0	
HIGHTSTOWN 1 N	86.5	62.1	74.3	- 0.5	98	1	51	10+	1	9	0	0	0	3.20	- 1.26	1.11	21	.0	0		6	2	2	
INDIAN MILLS 2 W	86.7	60.4	73.6	- 1.1	97	27+	47	10+	6	10	0	0	0	1.92	- 2.35	.84	14	.0	0		4	1	0	
MILLVILLE	86.9M	65.8	76.4M		98	28	56	10+	0	11	0	0	0	1.64		1.28	14	.0	0		2	1	1	
MILLVILLE FAA AIRPORT	85.6	65.7	75.7		96	27	55	5	0	8	0	0	0	2.06		1.60	14	.0	0		3	1	1	
MOORESTOWN	86.7	62.7	74.7	- 0.4	98	1	50	10	1	10	0	0	0	3.01	- 1.16	1.10	21	.0	0		5	3	1	
NEW BRUNSWICK EXP STA	86.4	63.7	75.1	0.1	97	1	50	9	2	10	0	0	0	3.64	- .89	1.20	14	.0	0		7	3	1	
NEW MONMOUTH	86.1M	63.4M	74.8M		98	2	52	3	0	11	0	0	0	2.60		.94	2	.0	0		6	3	0	
PEMBERTON 3 E	86.0	60.8	73.4	- 2.1	97	1	48	5	2	13	0	0	0	2.74	- 1.91	1.34	20	.0	0		3	2	1	
SHILOH	86.8	64.3	75.6	- 0.8	98	27	53	10+	0	11	0	0	0	2.15	- 2.14	.93	29	.0	0		4	2	0	
TOMS RIVER	85.9	59.6	72.8		98	27	45	5	6	11	0	0	0	1.69		.64	29	.0	0		5	1	0	
TRENTON WB CITY	R 85.8	65.5	75.7	- 0.3	97	1	53	9	0	9	0	0	0	3.93	- .25	2.02	20	.0	0		4	3	1	
TUCKERTON	85.5	63.8	74.7		96	19	50	10	3	11	0	0	0	3.11		1.11	28	.0	0		5	3	1	
WOODSTOWN	88.5	63.1	75.8		99	27	50	5	0	13	0	0	0	2.15		.59	14	.0	0		6	1	0	
DIVISION			75.1	- 0.3										2.37	- 1.97			.0						
COASTAL																								
ATLANTIC CITY	R 82.4	69.0	75.7	1.5	94	27	60	9+	1	5	0	0	0	3.68	- .18	1.50	8	.0	0		5	3	1	
CAPE MAY 3 W	84.8	67.8	76.3		95	28	58	9	0	7	0	0	0	2.62		.77	22	.0	0		6	2	0	
LONG BRANCH	R 83.2	64.5	73.9	- 0.5	96	19	55	10+	0	6	0	0	0	2.54	- 1.71	.86	14	.0	0		4	3	0	
DIVISION			75.3	0.7										2.95	- .93			.0						

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
JULY 1963

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC CITY WB AP	2.60	T							.39					T	.28							.38	.09	T							1.46	T	T	*
ATLANTIC CITY	3.68	.66							1.50						.32							.85	.05								.30		*	
AUDUBON	2.84								.24				T		.63							.20	1.15	T							1.36	T	.62	*
BASS RIVER ST FOREST	2.86									.02						.68							.66	.12								1.36	.02	*
BELLEPLAIN STA FOREST	1.84														.49	.21						.51	.66	.12	.34						.11	.17	*	
BELVIDERE	3.81			.40					.42	.15				T		.53		.01	.50			.16	.35	.44								.85	*	
BERNARDSVILLE 2 E	4.50			.91					.50	.18					.79							.51	.88	.07							.13	.53	*	
BLACKWELLS MILLS	3.95			.48					1.01					.11	.62							.16	.19	.07							1.28	.03	*	
BOONTON 1 SE	3.68			.14					.20	T					.91						1.29	.66	.04									.44	*	
BOUND BROOK 2 W	4.18			1.94					.68	T					.65							.36	.03								.50	.02	*	
BRANCHVILLE	2.64												.43		.63						.93	.39	T									.26	*	
BURLINGTON	3.20		.07						.15						1.10	.63					.70	.60	.20								.30	.08	*	
CANISTEAR RESERVOIR	3.61			.57					.23						.65				.02		1.40	.10	.19	T							T	.45	*	
CANDOR BROOK	4.93	T		.14					.44	.10					1.10						1.22	1.27	.03								.16	.47	*	
CANTON	1.65														1.28										.09						.28	*	*	
CAPE MAY 3 W	2.62								.01						.45	.28						.49	.77							.12	.50	*	*	
CHARLOTTEBURG	3.09			.33					.33	.07					.56						1.00	.22	.02									.48	*	
CHATSORTH	.90														.10	.09					.01	.70										T	*	
CLINTON	1.71					.04			.16	.04					.42			.04				.50	.08	.08							T	.35	*	
ELIZABETH	2.47		.22						.05	.45					.45	.21					.24	.83	.02										*	
ELIZABETHPORT	2.30		.02						.32						.84					.02	.97	.05											*	
ESSEX FIELDS SERV BLDG	5.51		.40						.19	.07					.90						1.35	1.22	.05								.01	1.32	*	
FLEMINGTON 1 NE	2.08			.03			T		.47	T					.52						.58	.10	.15	T							.22	.01	*	
FORTESCUE	3.53			.06											1.15							1.35										.97	*	
FREEHOLD	1.89					T			T	.40					.36	.09					.01	.97								.05	.01	*	*	
GLASSBORO	1.63								.04						.63						.28	.14									.22	.32	*	
GREENWOOD LAKE	3.59			.37					.40	.02				.04		.75					1.53	.05	.13								.01	.04	.30	*
HAMMONTON 2 NNE	.98	T							.41						.10						.19	.10											*	
HIGH POINT PARK	5.33								.41	.02				.54		.71					.99	1.10	.71	.33							.25	.27	*	
HIGHTSTOWN 1 N	3.20						T		.12	.48					1.10	.07		T			.12	1.11									.18	.02	*	
INDIAN MILLS 2 W	1.92								.08	.01					.84						.38	.23	T								.02	.33	.03	*
IRVINGTON	3.10		.36						.25	.28					.41						.61	1.08										.11	*	
JERSEY CITY	2.03		.01						.30						.29						.36	.87	.03	T								.14	*	
LAMBERTVILLE	2.91					T			.74				T		.35	.09					.66	.73								.07	.27	.25	*	
LAYTON 2	3.29	T		T					.16	.01			T	T	T	.60	T	T	T	T	1.36	.81	.08	.02									*	
LITTLE FALLS	4.82			.53					.18	.10					.93						1.65	.36	.08	.06								.93	*	
LONG BRANCH	2.54		T						.07	.29					.86						T	.73	.05	T							T	.52	.01	*
LONG VALLEY	2.05								.12	.04											.56	.53	.03									.77	*	
MAHAM	4.73			.43					.27	.07					1.03						1.50	.42									.53	.38	*	
MANVILLE	3.42			1.50					.60	.12					.60						.15	.10	.05									.30	T	*
MAYS LANDING	.92								T						.45							.45										.07	*	
MIDLAND PARK	5.18		1.42						.08	.17					.85						.05										.01	.30	.44	*
MILLVILLE	2.06														1.28	.02					.07		.06								.21	*		
MILLVILLE FAA AIRPORT	2.06														1.60							.11	T								.34	.01	*	
MILTON	4.23			.57					.31	.10					.86						1.15	.47	.15								.05	.57	*	
MOORESTOWN	3.01								.13	T					.89						T	1.10	.62								.06	.21	*	
MORRIS PLAINS 1 W	2.95		.11						.16	.09	T	T			T	.85	T	T			.81	.25	.01									.67	*	
NEWARK WB AIRPORT	2.24		.03						.12	.26					.51						.21	1.05	.02								T	T	.04	*
NEW BRUNSWICK EXP STA	3.64								.35	.83					1.20	.19						.27	.25	.02							.50	.03	*	
NEW MILFORD	3.39		.04						.26	.26					.30						1.35	.58	.02	.02									.56	*
NEW MONMOUTH	2.60		.94						.11	.54					.25	.05					.08	.13										.50	*	
NEWTON	2.59			.20					.35					.05		.40					.61	.60										.38	*	
OAK RIDGE RESERVOIR	4.43			.46					.41	.10					.80						1.24	.50	.22								.07	.49	*	
OLIVICK	6.79			1.05					.71						.75						.46	.37	.06								.06	.39	*	
ORANGE									.68														5.02									.04	*	
PATERSON	3.39								.11	.15					T	.66					1.75	.15	T	.03								T	.54	*
PEMBERTON 3 E	2.74								.47		T				.73	.08					1.34	.08									.02	.02	*	*
PHILLIPSBURG	2.84								1.04						.48	.10					.26	.16	.24									.42	*	
PHILLIPSBURG BRIDGE	1.89								.12			.01	.02			.68					.23	.12	.32									.41	*	
PLAINFIELD	2.80		.46						.42	.50					T	1.02					.26	.11									T	.03	*	
PRINCETON WATER WORKS	2.50	T							.07	.55						.66					T	.42	.20									.60	*	
RAHWAY	2.07	.50							.16																									

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Season of 1962 - 1963

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
ATLANTIC CITY W8 AP SNOWFALL 1 IN ON GO				T	T	5.1	4.4 2	3.3 1	T				9.8
ATLANTIC CITY SNOWFALL 1 IN ON GO	-	-	-	-	-	-	-	-	-	-	-	-	-
AUDUBON SNOWFALL 1 IN ON GO				T	T	5.0	5.0 7	4.0 8	T				14.0
BASS RIVER ST FOREST SNOWFALL 1 IN ON GO						-	-	-					-
BELLEPLAIN STA FOREST SNOWFALL 1 IN ON GO						.1	-	-	T				-
BELMAR 2 SW SNOWFALL 1 IN ON GO						.5	-	-	-				-
BELVIDERE SNOWFALL 1 IN ON GO				2.0	.6	13.6	8.0 27	10.9 28	5.1 9	.1	T		40.3
BERNARDSVILLE 2 E SNOWFALL 1 IN ON GO					-	-	-	-	-				-
BLACKWELLS MILLS SNOWFALL 1 IN ON GO				2.0	-	-	-	-	-				-
BOONTON 1 SE SNOWFALL 1 IN ON GO				T	2.0	9.0	9.0	6.0	5.5 2	T	T		31.5
BOUND BROOK 2 W SNOWFALL 1 IN ON GO				.8	-	-	4.5 5	2.0 3	.5 1				-
BRANCHVILLE SNOWFALL 1 IN ON GO				T	2.5	23.0	10.5 31	17.5 28	7.5 19	T	T		61.0
BURLINGTON SNOWFALL 1 IN ON GO				1.0	T	3.5	- 5	T 1	.3				-
CANISTEAR RESERVOIR SNOWFALL 1 IN ON GO				.5	5.0	18.5	13.0 31	15.0 28	8.5 28				60.5
CANOE BROOK SNOWFALL 1 IN ON GO				T	1.0	9.9	7.0 17	3.5 24	2.0 4				23.4
CANTON SNOWFALL 1 IN ON GO				T		4.1	-	-	T				-
CAPE MAY 3 W SNOWFALL 1 IN ON GO						-	-	-	T				-
CEGAR GROVE SNOWFALL 1 IN ON GO					1.0	8.0	-	8.0 27	3.0 6				-
CHARLOTTEBURG SNOWFALL 1 IN ON GO				1.0	3.0	15.8	11.3 19	14.1 28	9.5 20	T			54.7
CHATHAM SNOWFALL 1 IN ON GO						-	-	-	-	-	-	-	-
CHATSWORTH SNOWFALL 1 IN ON GO						-	-	-					-
CLAYTON SNOWFALL 1 IN ON GO		-	-	-	-	-	-	-	-	-	-	-	-
CLINTON SNOWFALL 1 IN ON GO	-	-	-	-	-	-	-	-	-	-	T		-
ELIZABETH SNOWFALL 1 IN ON GO				T	T	4.0	7.2 5	- 11	2.0 1				-
ELIZABETHPORT SNOWFALL 1 IN ON GO				T	T	-	-	-	2.0 1				-
ESSEX FELS SERV BLOC SNOWFALL 1 IN ON GO						-	-	-	3.0				-
FLEMINGTON 1 NE SNOWFALL 1 IN ON GO				.5	1.0	20.5	12.0 16	9.5 21	3.0 2	T	T		46.5
FORTESCUE SNOWFALL 1 IN ON GO						-	-	-					-
FREEHOLD SNOWFALL 1 IN ON GO				1.8	.5	6.2	6.1 5	3.4 3	.4		T		18.4
GREENWOOD LAKE SNOWFALL 1 IN ON GO				2.0	3.5	11.7	12.0 27	12.2 28	5.5 20				46.9
HAMMONTON 2 NNE SNOWFALL 1 IN ON GO						-	3.0	-					-
HIGH POINT PARK SNOWFALL 1 IN ON GO				T	5.0	-	-	- 28	11.0 26	1.0	T		-
HIGHTSTOWN 1 N SNOWFALL 1 IN ON GO				1.3	1.0	7.7	5.9 5	4.0 6	.7		T		20.6
INOIAN MILLS 2 W SNOWFALL 1 IN ON GO				T	T	4.4	5.9 2	2.4 1	T				12.7
IRVINGTON SNOWFALL 1 IN ON GO					T	5.0	6.6 5	5.0 2	2.0				18.6
JERSEY CITY SNOWFALL 1 IN ON GO						-	-	-	.9				-
LAMBETHVILLE SNOWFALL 1 IN ON GO				1.0	1.0	11.0	5.0 13	4.0 11	T		T		22.0
LAYTON 2 SNOWFALL 1 IN ON GO				T	2.4	19.3	11.6 31	11.9 28	7.3 24	T	T		52.5

See reference notes following Station Index.

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
LITTLE FALLS SNOWFALL 1 IN ON GD				.2	1.6	8.8	7.9 16	5.4 27	4.5 8				28.4
LONG BRANCH SNOWFALL 1 IN ON GD				.8	T	4.5	7.5 6	2.0 2	.5		T		15.3
LONG VALLEY SNOWFALL 1 IN ON GD				4.0	1.8	13.3	9.7 20	6.1	-				
MAHWAH SNOWFALL 1 IN ON GD				1.0	3.0	-	10.2	11.1	-				-
MANVILLE SNOWFALL 1 IN ON GD					.7	4.5	5.0	7.0	2.0 1				19.2
MAYS LANDING SNOWFALL 1 IN ON GD						4.0	4.7 3	2.0 2					10.7
MIDLAND PARK SNOWFALL 1 IN ON GD				T	T	11.3	-	-	-				-
MILLVILLE SNOWFALL 1 IN ON GD				T		4.0	4.3 1	.5	T				8.8
MILLVILLE FAA AIRPORT SNOWFALL 1 IN ON GD				T	T	5.0	5.0 5	- 4	T	T			-
MILTON SNOWFALL 1 IN ON GD							-	-	-				-
MOORESTOWN SNOWFALL 1 IN ON GD				T	T	8.0	6.8 6	7.0 5	.5		T		22.3
MORRIS PLAINS 1 W SNOWFALL 1 IN ON GD				T	2.2	14.2	11.5	10.5 2	8.0 1	T	T		46.4
NEWARK WB AIRPORT SNOWFALL 1 IN ON GD				T	.3	7.8	7.5 5	3.6 7	2.5 1	T			21.7
NEW BRUNSWICK EXP STA SNOWFALL 1 IN ON GD				1.5	T	7.3	5.5 5	6.4 4	1.5				22.2
NEW MILFORD SNOWFALL 1 IN ON GD				T	T	-	-	-	-				-
NEW MONMOUTH SNOWFALL 1 IN ON GD				T	T	-	-	-	T				-
NEWTON SNOWFALL 1 IN ON GD				T	3.0	15.5	10.5 24	12.0 28	4.5 16	T	T		45.5
OAK RIDGE RESERVOIR SNOWFALL 1 IN ON GD				2.0	5.3	15.3	13.0 31	14.0 28	6.8 25	T			56.4
OLWICK SNOWFALL 1 IN ON GD				T	-	5.0	-	-	-				-
ORANGE SNOWFALL 1 IN ON GD							-	-	-				-
PATERSON SNOWFALL 1 IN ON GD				T	.1	7.5	7.3 5	3.2	5.5	T			23.6
PEMBERTON 3 E SNOWFALL 1 IN ON GD				1.3	T	5.3	4.5 4	1.0 2	T		T		12.1
PHILLIPSBURG SNOWFALL 1 IN ON GD					T	9.0	7.0 5	3.0 2	T		T		19.0
PHILLIPSBURG BRIDGE SNOWFALL 1 IN ON GD				T	T	-	-	-	-				-
PLAINFIELD SNOWFALL 1 IN ON GD				T	1.0	10.7	8.3 4	5.7 17	2.0		T		27.7
PRINCETON WATER WORKS SNOWFALL 1 IN ON GD				T	-	-	-	-	-				-
RAHWAY SNOWFALL 1 IN ON GD				T	T	6.2	6.1 7	3.5 9	2.3 2				18.1
RINGWOOD SNOWFALL 1 IN ON GD					2.0	10.4	10.5 20	10.6 26	6.0 10				39.5
SHILOH SNOWFALL 1 IN ON GD						-	-	-	-				-
SOMERVILLE SNOWFALL 1 IN ON GD				1.0	T	3.5	5.6 13	3.5 9	1.5 1				15.1
SPLIT ROCK POND SNOWFALL 1 IN ON GD						-	-	-	-				-
SUSSEX SNOWFALL 1 IN ON GD					-	-	-	-	-	T			-
TOMS RIVER SNOWFALL 1 IN ON GD				T		1.3	2.1	-	.4				-
TRENTON WB CITY SNOWFALL 1 IN ON GD				1.6	.2	7.5	6.6 5	3.3 4	1.3		T		20.5
TUCKERTON SNOWFALL 1 IN ON GD					T	2.5	3.0	-	T				-
WANAQUE RAYMOND OAM SNOWFALL 1 IN ON GD					.5	9.1	9.8 16	8.6 28	7.5 10				35.5
WERTSVILLE SNOWFALL 1 IN ON GD					-	-	-	-	-				-
WEST WHARTON SNOWFALL 1 IN ON GD					-	-	- 16	- 28	- 13				-
WOODCLIFF LAKE SNOWFALL 1 IN ON GD				T	T	-	-	-	-				-

See reference notes following Station Index.

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
WOODSTOWN	SNOWFALL 1 IN ON GO			3	1	9.5	4.5 13	2.9 8	1				17.2

NOTE: COUNT OF DAYS WITH SNOWFALL OF 1 INCH OR MORE ON GROUND WAS BEGUN WITH DATA FOR JANUARY 1963.

SUPPLEMENTAL DATA

NEW JERSEY
JULY 1963

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
ATLANTIC CITY WB AIRPORT	S	12	10.8	32++	SSW	28	82	78	46	64	5	1	3	0	1	0	10	68	5.3
ATLANTIC CITY ST MARINA	-	-	14.1	38++	WSW	20	-	-	-	-	-	1	2	2	1	0	-	-	-
LONG BRANCH	W	12	10.9	52	S	14	-	78	50\$	70	3	4	1	3	0	0	11	68	5.0
NEWARK WB AIRPORT	SSW	11	9.4	31++	NW	3	70	70	44	55	5	3	3	1	1	0	13	-	5.2
TRENTON WB CITY	NW†	-	7.5	29	SE	28	-	-	-	-	3	4	0	2	0	1	10	71	5.3

† TO 8 COMPASS POINTS ONLY
\$ 12:00 NOON

DAILY TEMPERATURES

NEW JERSEY
JULY 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	95	94	90	83	86	81	81	80	75	78	82	83	78	73	88	91	96	92	98	87	83	79	80	84	88	96	97	93	88	89	83	86.2
	MIN	73	77	66	57	57	60	63	66	55	56	60	62	66	64	67	69	69	73	75	72	68	65	62	62	64	69	73	71	71	71	63	66.0
ATLANTIC CITY	MAX	92	84	89	82	85	82	75	78	68	63	82	81	75	74	84	86	84	81	93	88	81	76	77	79	80	93	94	92	80	87	79	82.4
	MIN	74	73	66	60	60	63	70	68	60	62	67	69	68	66	69	71	71	74	76	72	70	69	68	67	71	73	75	73	73	72	69	69.0
AUDUBON	MAX	97	94	85	82	86	86	89	81	78	79	86	87	82	71	88	91	94	93	96	87	84	82	82	90	94	95	97	95	90	88	88	87.6
	MIN	71	74	67	61	55	58	62	64	54	54	56	59	60	63	68	61	67	73	71	72	68	65	62	63	66	69	70	73	72	70	59	64.7
BELLEPLAIN STA FOREST	MAX	95	95	90	84	86	85	85	85	81	80	85	84	80	79	88	92	94	92	97	94	84	78	79	88	88	94	94	92	88	91	88	87.6
	MIN	67	74	67	50	48	57	56	63	53	50	54	53	60	59	63	62	64	68	70	74	68	63	60	50	56	65	68	71	69	75	59	61.8
BELVIDERE	MAX	86	93	94	80	78	82	80	79	76	73	75	78	83	81	71	81	85	88	90	91	78	78	80	80	87	91	92	92	93	88	83	83.4
	MIN	67	68	65	57	50	51	50	51	47	47	51	54	54	58	61	60	60	64	65	65	62	63	61	60	61	63	64	65	69	68	54	59.2
BOONTON 1 SE	MAX	89	94	94	79	77	81	78	82	77	75	74	79	84	79	73	81	84	88	91	91	80	79	75	80	89	93	94	93	93	88	82	83.7
	MIN	67	68	67	58	55	57	49	58	45	49	57	53	53	60	62	63	65	70	60	68	66	65	60	60	62	63	66	69	69	70	56	61.0
BURLINGTON	MAX	98	98	92	83	88	85	86	79	80	79	86	87	87	79	87	91	95	95	97	96	84	80	82	89	96	97	98	97	94	90	90	89.2
	MIN	59	74				50		58	63	53	55	47	62	63	62	64	62	68	73	75	69	64	66	64	63	64	63	74	76	72	67	74
CANOE BROOK	MAX	88	95	96	84	79	85	80	84	75	74	75	82	84	78	74	86	88	92	94	95	82	78	75	81	89	92	95	96	95	90	85	85.4
	MIN	68	68	66	54	49	48	52	61	46	50	55	54	54	62	61	59	63	68	66	65	65	65	60	59	63	64	65	66	67	69	54	60.2
CAPE MAY 3 W	MAX	92	92	86	87	82	84	82	80	79	75	81	81	78	78	84	89	90	88	92	94	84	82	79	79	84	89	92	95	82	85	85	84.8
	MIN	71	70	71	68	68	69	65	67	58	60	64	60	63	65	64	68	70	71	73	73	70	66	65	63	69	70	75	72	72	75	68	67.8
CHARLOTTEBURG	MAX	88	93	93	71	75	80	78	80	76	73	73	79	83	78	72	81	84	87	91	91	78	78	74	81	88	90	92	91	92	88	80	82.5
	MIN	66	65	65	54	49	47	47	53	45	46	51	51	52	58	60	58	64	65	67	66	63	63	58	57	60	63	64	67	67	68	53	58.5
CHATSWORTH	MAX	96	95	91	82	83	83	80	79	77	79	84		77	74	87	90	94	94	96	92	81	77	77	86	91	95	97	96	89	89	85	86.5
	MIN	68	72	62	51	45	55	53	65	52	50	51		54	60	62	63	64	67	71	71	67	61	60	56	61	64	68	71	68	72	58	61.4
ELIZABETH	MAX	98	98	85	81	86	83	84	74	75	78	84	86	79	75	85	87	92	94	97	92	80	77	80	90	95	98	98	97	90	89	86	86.9
	MIN	68	69	69	56	53	58	70	57	51	56	59	59	58	64	63	63	66	71	70	68	65	66	64	62	62	67	68	67	70	72	58	63.5
ESSEX FIELDS SERV BLDG	MAX	90	98	96	82	80	84	80	83	77	76	77	84	85	80	75	84	88	91	94	95	82	80	75	80	92	92	95	95	95	90	85	85.7
	MIN	67	68	66	54	51	49	52	61	45	50	56	55	54	60	61	60	63	68	67	68	66	65	60	60	64	65	66	68	67	69	55	60.6
FLEMINGTON 1 NE	MAX	89	100	101	85	83	88	86	90	83	79	81	85	91	85	74	88	92	95	98	98	87	85	84	88	94	98	100	100	98	92	88	89.8
	MIN	65	65	67	57	44	48	47	58	44	48	52	52	53	63	62	58	58	66	66	68	64	65	57	57	58	62	63	65	68	69	50	58.7
FREEHOLD	MAX	100	95	90	82	86	84	83	76	77	78	85	83	76	73	87	85	94	94	97	91	82	76	79	89	92	95	98	95	89	90	86	86.7
	MIN	69	69	69	55	52	57	55	61	52	54	55	59	59	62	62	65	66	69	71	68	66	65	62	61	64	65	70	70	70	72	58	63.0
GLASSBORO	MAX	90	97	95	87	81	86	80	87	84	79	81	84	81	82	73	87	91	94	93	96	88	83	81	81	90	96	97	98	94	89	88	87.5
	MIN	72	75	69	59	52	58	57	54	54	53	56	58	58	59	63	65	67	72	72	73	69	64	61	62	66	69	71	75	71	73	70	64.4
HAMMONTON 2 NNE	MAX	92	99	97	88	83	88	85	87	83	77	81	87	86	85	77	90	94	98	100	89	85	80	82	90	97	94	100	98	92	91	89	89.1
	MIN	72	75	70	57	55	60	55	67	53	53	55	57	59	63	62	66	68	72	73	68	63	61	60	66	67	67	74	70	73	59	58	63.8
HIGH POINT PARK	MAX	85	91	93	85	73	76	76	79	74	73	72	78	79	76	65	78	82	87	90	91	73	72	71	76	86	88	91	91	92	85	79	80.9
	MIN	64	68	61	49	51	48	51	58	41	46	50	55	58	59	57	57	60	65	63	62	59	59	58	63	63	61	66	67	65	62	52	58.0
HIGHTSTOWN 1 N	MAX	98	97	86	82	86	83	87	77	76	78	83	86	80	75	85	88	92	93	95	86	82	78	80	88	93	94	97	96	89	86	86	86.5
	MIN	67	69	69	56	51	54	51	60	51	51	53	56	58	62	62	63	66	71	71	69	66	65	61	60	65	65	67	69	70	72	55	62.1
INDIAN HILLS 2 W	MAX	96	95	85	81	84	84	83	80	75	79	85	87	79	71	86	90	94	93	95	86	83	80	82	89	93	97	97	96	88	87	88	86.7
	MIN	66	73	66	50	47	50	53	65	47	47	49	53	53	62	66	61	63	68	68	69	65	61	56	57	62	63	68	70	68	72	55	60.4
JERSEY CITY	MAX	97	95	83	80	85	80	75	72	75	76	80	79	75	70	84	85	90	92	95	81	78	72	80	86	87	94	96	94	86	87	78	83.5
	MIN	72	75	64	60	64	60	64	63	54	60	63	63	64	61	67	68	71	74	76	70	68	65	62	65	70	73	75	77	73	70	62	66.9
LAMBERTVILLE	MAX	98	96	92	82	87	86	87	82	82	79	81	87	83	81	87	90	93	94	96	93	84	82	83	90	94	97	96	96				

DAILY TEMPERATURES

NEW JERSEY
JULY 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOMERVILLE	MAX	100	98	86	82	87	85	89	80	77	80	83	88	82	75	87	89	89	96	97	94	83	82	85	92	97	99	99	99	92	89	88	88.7
	MIN	67	68	67	57	48	54	50	60	47	52	54	54	55	63	62	60	64	67	69	67	66	65	61	60	63	63	67	67	68	70	55	61.0
SUSSEX	MAX	86	91	92	70	79	76	78	80	76	71	72	80	83	81	73	81	85	88	91	90	77	77	77	79	87	91	90	90	91	89	79	82.3
	MIN	66	67	65	55	52	48	49	60	46	48	51	53	54	56	61	58	60	65	65	66	66	61	60	59	60	62	64	66	67	67	54	59.1
TOMS RIVER	MAX	97	94	85	86	83	85	81	79	74	74	80	82	78	73	86	88	93	92	95	97	82	73	76	89	92	93	98	95	90	89	85	85.9
	MIN	62	68	62	53	45	52	50	61	50	51	51	55	55	59	62	62	62	64	66	68	67	64	63	54	61	63	65	68	65	64	55	59.6
TRENTON WB CITY	MAX	97	95	84	81	84	83	83	78	76	77	82	85	78	71	86	89	92	94	96	84	81	77	81	88	92	95	96	94	88	86	86	85.8
	MIN	73	74	63	59	57	64	58	61	53	58	60	62	61	62	66	70	70	74	73	67	67	66	62	65	68	71	73	73	71	68	63	65.5
TUCKERTON	MAX	94	92	89	86	85	80	80	82	77	76	82	80	75	75	90	86	90	90	96	92	83	81	77	84	87	90	95	94	86	90	87	85.5
	MIN	70	77	68	54	52	56	60	67	51	50	52	56	60	64	64	65	67	73	72	72	68	66	64	58	65	68	71	65	69	74	60	63.8
WOOSTOWN	MAX	98	96	90	83	86	87	87	85	84	82	83	86	81	75	88	90	94	93	96	91	86	82	81	89	94	97	99	93	89	91	87	88.5
	MIN	70	72	70	60	50	54	60	65	53	51	56	55	56	62	62	63	65	72	70	70	60	65	59	61	64	67	69	73	70	70	62	63.1

DAILY SOIL TEMPERATURES

STATION AND DEPTH		Day of month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NEW BRUNSWICK EXP STATION																																		
PLOT # 1																																		
1 INCH	MAX	91	88	87	83	84	87	83	78	83	81	83	84	79	75	83	83	86	87	89	85	84	83	82	87	88	74	89	91	87	88	89	89	85.0
	MIN	75	75	75	69	67	63	68	70	66	68	69	69	69	71	71	72	73	76	77	77	75	75	73	72	74	75	76	77	76	77	72	72	72.3
2 INCHES	MAX	88	85	85	81	81	83	80	76	80	80	81	82	78	75	81	81	84	85	86	84	82	82	81	84	86	86	88	85	86	87	87	82.9	
	MIN	74	75	75	69	67	64	68	70	66	69	70	70	70	71	71	72	73	76	77	77	75	75	73	72	74	75	76	77	76	77	73	72.4	
4 INCHES	MAX	82	80	81	78	78	79	77	75	77	77	77	78	76	74	77	78	81	82	83	81	79	79	78	80	83	83	84	83	84	83	83	79.6	
	MIN	74	75	75	71	69	70	70	71	67	70	69	70	71	71	71	72	73	75	76	77	75	76	74	73	75	76	77	77	76	78	75	73.1	
8 INCHES	MAX	77	77	77	75	74	75	73	73	74	74	74	75	74	73	75	76	77	79	79	78	77	77	76	76	78	79	80	80	79	80	79	76.6	
	MIN	73	74	75	72	71	71	71	71	69	71	71	71	71	71	71	72	74	75	76	77	76	76	74	74	75	76	77	77	77	78	76	73.6	
16 INCHES	MAX	71	72	72	72	71	71	71	71	70	70	70	71	71	71	71	71	73	73	75	74	74	74	74	74	74	74	75	75	76	76	76	72.7	
	MIN	70	71	72	71	70	70	70	70	69	70	70	70	70	71	71	71	72	73	74	74	74	74	73	73	73	74	75	75	75	75	76	72.0	
32 INCHES	MAX	66	67	67	67	67	67	67	67	67	67	67	68	67	68	68	68	68	68	69	69	70	70	70	70	70	71	71	72	72	72	68.8		
	MIN	66	66	67	67	67	67	67	67	67	67	67	67	67	68	68	68	68	68	69	69	70	70	70	70	70	70	71	71	71	71	72	68.5	
PLOT # 2																																		
1 INCH	MAX	111	107	105	100	102	104	101	83	92	94	100	101	91	82	88	94	103	105	110	90	84	90	92	102	108	106	110	102	94	101	105	98.6	
	MIN	78	79	78	68	66	69	69	65	58	64	67	68	67	70	71	72	72	76	77	75	73	71	70	70	73	75	77	74	75	75	69	71.3	
2 INCHES	MAX	108	104	102	98	100	101	98	82	90	92	97	99	90	81	87	92	100	103	107	88	84	88	84	70	99	105	104	107	100	93	99	102	96.4
	MIN	78	79	79	69	67	70	70	66	59	64	67	68	68	70	71	72	73	77	77	76	73	71	70	70	73	76	78	75	75	76	70	71.8	
4 INCHES	MAX	103	99	93	94	95	97	93	80	87	88	92	94	87	79	84	89	96	98	102	86	82	85	86	94	100	99	102	96	90	95	97	92.3	
	MIN	78	80	79	72	70	72	72	69	61	66	68	70	69	71	72	71	73	78	79	77	75	73	71	71	74	77	79	76	76	78	72	73.2	
8 INCHES	MAX	91	88	89	86	86	86	84	77	79	80	82	84	81	77	79	81	87	89	92	83	80	80	80	85	89	88	92	89	85	87	88	84.6	
	MIN	78	81	81	76	74	76	75	74	67	70	71	73	74	73	72	72	73	80	80	80	76	74	73	73	77	79	81	77	78	79	76	75.6	

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIX POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

EVAPORATION AND WIND

Station		Day of month																															Total of Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP	.13	.26	.21	.32	.30	.24	.28	.24	.07	.20	.12	.19	.16	.09	.15	.20	.16	.23	.19	.39	.39	.02	.14	.18	.19	.25	.22	*	.44	.26	.28	6.50
	WIND	19	26	9	48	47	10	36	35	22	20	20	15	27	43	65	16	7	15	15	38	15	29	34	24	15	15	13	11	20	33	23	765
	MAX	91	100	99	91	88	90	90	89	73	85	83	90	86	94	78	92	94	98	98	107	98	84	82	88	97	99	101	101	102	95	96	92.2
	MIN	71	75	72	62	58	60	53	-	55	56	56	63	61	62	64	65	69	72	74	71	61	69	66	67	68	73	73	72	72	73	64	65.9
PEMBERTON 3 E	EVAP	.24	.27	.30	.30	.24	.30	.24	.06	.23	.14	.23	.22	.23	.10	.12	.19	.19	.27	*	*	.48	.20	.25	.26	.22	.23	.27	.28	.17	.25	.16	6.64
	WIND	11	12	39	62	38	16	17	21	16	15	13	17	23	20	21	29	9	14	16	16	17	15	11	18	12	14	13	22	13	14	35	16

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1962 - 1963

NEW JERSEY

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normals July-June
ATLANTIC CITY WB AP	0	2	83	250	630	1007	1040	986	596	375	178	13	5160	4812
ATLANTIC CITY	0	0	61	234	608	951	999	954	622	377	193	8	5007	4684
AUDUBON	1	5	88	244	656	1049	1084	1024	620	346	140	10	5267	
BELLEPLAIN STA FOREST	1	2	111	282	654	1017	1068	990	590	391	184	21	5311	
BELVIDERE	0	14	178	338	743	1155	1221	1240	847	489	280	50	6555	5468
BOONTON 1 SE	5	19	182	385	774	1141	1266	1211	829	460	266	35	6573	5868
BURLINGTON	0	4	78	232	671	1067	1073	987	626	343	155	13	5249	4663
CANOE BROOK	10	20	177	365	793	1154	1281	1173	819	490	238	42	6562	5847
CAPE MAY 3 W	0	0	30	169	538	892	1007	962	605	345	156	3	4707	
CHARLOTTEBURG	9	31	221	419	812	1190	1329	1301	898	510	314	75	7109	6083
CHATSWORTH	0	5	118	284	684	1043	1106	1011	647	415	204	22	5539	
CLAYTON	1													
ELIZABETH	0	7	90	266	661	1059	1079	1036	700	362	167	7	5434	4986
ESSEX FELS SERV BLDG	5	18	175	378	784	1159	1264	1197	801	472	240	33	6526	
FLEMINGTON 1 NE	1	8	168	325	751	1152	1179	1118	738	458	271	34	6203	5254
FREEMOLD	0	6	113	280	702	1082	1093	1047	680	428	188	13	5632	5103
HAMMONTON 2 NNE	0	8	110	274	680	1044	1116	1058	612	370	167	16	5455	4724
HIGH POINT PARK	20	45	240	433	877	1224	1368	1326	960	518	298	82	7391	
HIGHTSTOWN 1 N	1	8	138	301	710	1099	1125	1051	682	407	192	20	5734	5163
INDIAN HILLS 2 W	3	8	142	312	719	1093	1118	1036	646	442	219	29	5767	5035
JERSEY CITY	0	9	110	285	702	1068	1105	1051	723	401	197	17	5668	5116
LAMBERTVILLE	0	5	141	289	732	1116	1152	1064	703	397	180	13	5792	5246
LAYTON 2	8	16	187	382	820	1240	1404	1336	911	542	308	63	7217	
LITTLE FALLS	2	11	129	302	703	1070	1180	1117	752	384	191	16	5857	5337
LONG BRANCH	0	6	98	292	674	1043	1098	1026	715	440	221	34	5647	5162
LONG VALLEY	10	21	198	378	793	1199	1237	1199	801	472	240	33	6526	
HILLVILLE	0	5	91	257	643	1022	1088	1031	650	350	174	13	5324	
HILLVILLE FAA AIRPORT	0	4	113	270	665	1042	1098	1017	624	381	175	15	5404	
MOORESTOWN	2	7	121	287	698	1084	1126	1044	644	390	199	26	5628	5070
MORRIS PLAINS 1 W	2	15	175	357	755	1151	1258	1193	791	442	243	35	6417	
NEWARK WB AIRPORT	0	7	81	250	640	1046	1091	1041	691	368	164	4	5383	5067
NEW BRUNSWICK EXP STA	0	6	116	272	678	1069	1104	1045	686	388	171	3	5538	5138
NEW MONMOUTH	1	7	100	270	679	1046	1096	1017	681	381	176	14	5468	
NEWTON	12	26	230	435	840	1235	1383	1285	871	488	265	50	7120	6163
PATERSON	2	9	118	274	673	1023	1143	1087	708	373	168	13	5591	5203
PEMBERTON 3 E	3	4	124	283	689	1081	1096	1020	645	442	213	25	5625	4835
PHILLIPSBURG	0	4	141	279	673	1068	1145	1095	722	342	160	10	5639	5457
PLAINFIELD	3	5	120	300	689	1083	1121	1086	720	402	195	14	5738	5219
SHILOH	0	2	89	240	638	1044	1068	1006	614		165	12	5479	
SOMERVILLE	0	7	146	320	726	1108	1161	1101	745	437	189	15	5955	5357
SUSSEX	11	26	222	407	809	1234	1381	1326	917	507	295	63	7198	5984
TOMS RIVER	1	6	111	300	675	1040	1073	998	638	420	205	28	5495	
TRENTON WB CITY	0	9	102	257	657	1063	1108	1051	664	367	174	12	5464	4980
TUCKERTON	1	6	98	290	647	1006	1069	989	631	408	208	21	5374	
WOODSTOWN	0	1	112	259	668	1067	1089	1044	615	378	157	9	5399	

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL	
ALLENDALE	0100	BERGEN	41 02	74 08	270						C BERGEN COUNTY ENGINEERS
ATLANTIC CITY WB AP	0311	ATLANTIC	1 39 27	74 35	58	MIO					C HJ U.S. WEATHER BUREAU
ATLANTIC CITY	0325	ATLANTIC	1 39 23	74 26	11	MIO					J STATE MARINA
AUDUBON	0344	CAMDEN	39 54	75 04	50	11P					IRVIN J. NYGREN
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20	9A					H N.J. FORESTRY SERVICE
BELLEPLAIN STA FOREST	0690	CAMPE MAY	1 39 15	74 52	30	5P					BELLEPLAIN STATE FOREST
BELMAR 2 SW	0721	MONMOUTH	1 40 09	74 04	40	7A					WALTER J. SCHANCK
BELVOIERE	0729	WARREN	2 40 50	75 05	275	7A					CLEMENT HAUP
BERNARDSVILLE 2 E	0787	SOMERSET	40 43	74 32	240	7A					BERNARDS WATER COMPANY
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27	8A					HENRY M. MILLER
BOONTON 1 SE	0907	MORRIS	40 54	74 24	280	8A					JERSEY CITY WATER WORKS
BOUNTER 2 W	0927	SOMERSET	10 40 33	74 34	50	8A					AMERICAN CYANAMID CO.
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580	7A					ALBERT M. OVEREND
BURLINGTON	1211	BURLINGTON	2 40 05	74 32	12	6P					PUBLIC SERVICE OF N. J.
CANISTEAR RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040	8A					NEWARK WATER DEPARTMENT
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	8A	9A				COMMONWEALTH WATER CO.
CANTON	1343	SALEM	2 39 28	75 25	20	9A					GERTRUDE S. WILLIS
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 58	10	5P					C N.WEST HAGNISTE CO.
CEAR GROVE	1472	ESSEX	8 40 52	74 13	400	8A					J. A. PLUNKETT
CENTERTOWN	1512	SALEM	6 39 31	75 10	80						C JOHN HOPKINS UNIV.
CHARLOTTEBURG	1582	PASSAIC	41 02	74 26	760	7A					H NEWARK WATER DEPT.
CHATMAN	1590	MORRIS	8 40 44	74 23	185	8A					EDWARD P. HOLIFOR
CHATHAM	1598	BURLINGTON	1 39 49	74 32	100	5P					EARL M. KERCHNER
CLAYTON	1708	GLOUCESTER	6 39 39	75 06	120	6P					H CLOSED 6-4-63
CLINTON	1748	HUNTERDON	10 40 38	74 55	200	8A					C ANDREW F. OROPE
ELIZABETH	2644	UNION	1 40 40	74 14	40	5P					UNION CO. PARK COMM.
ELIZABETHPORT	2652	UNION	1 40 38	74 12	18	5P					C SEWAGE TREATMENT PLANT
ESSEX FIELDS SERV BLDG	2768	ESSEX	8 40 50	74 17	340	8A					C BOROUGHS ESSEX FIELDS
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	75 51	145	5P					C W. J. YOUNG
FORTESQUE	3102	CUMBERLAND	2 39 14	75 10	5	7A					JOHN LOPER
FREEHOLD	3181	MONMOUTH	10 40 15	74 17	194	6P					C FRANK J. HOREAU
GLASSBORO	3291	GLOUCESTER	2 39 42	75 07	135	5P	MIO				C GLASSBORO STATE COLLEGE
GREENWOOD LAKE	3516	PASSAIC	8 41 09	74 20	660	7A					C GEORGE T. WIGGINS
HACKENSACK	3577	BERGEN	40 43	74 03	0						C BERGEN COUNTY ENGINEERS
HAMMONTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85	8A	8A				W. HUBBARD PARKHURST
HIGH POINT PARK	3935	SUSSEX	2 41 18	74 40	1570	8A					N. J. DEPT. OF CONS.
HIGHTSTOWN 1 W	3951	MERCER	10 40 17	74 31	100	6P					C JAMES R. PICKERING
INDIAN HILLS 2 N	4229	BURLINGTON	7 39 48	74 47	100	7P					H EDWARD ENTWISTLE
IRVINGTON	4260	ESSEX	1 40 43	74 15	90	MIO					C JOINT MEETING GARAGE
JERSEY CITY	4339	HUDSON	1 40 44	74 03	135	MIO	MIO				H JERSEY CITY WATER DEPT.
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75	6P	6P				H E. E. CASE
LAURELTON 1 E	4700	UNION	1 40 04	74 07	20	MIO	MIO				C PLYMOUTH ENVOY B/62.
LAYTON 2	4734	SUSSEX	4 41 34	74 52	390	7A					C CHARLES KOONS
LITTLE FALLS	4887	PASSAIC	8 40 53	74 14	150	9A					C HJ PASSAIC VLY. WTR. CO.
LONG BRANCH	4987	MONMOUTH	1 40 18	74 00	20	MIO	MIO				C WILLIAM O. MARTIN JR.
LONG VALLEY	5003	MORRIS	10 40 47	74 47	530	5P	7A				H MISS PEARL HINSHAW
MACOPIN INTAKE	5055	BURLINGTON	2 39 58	74 48	25						C JAMES LAWTON
MAYS LANDING	5071	PASSAIC	8 41 01	74 24	584						INACTIVE 1/61
NANNAH	5104	BERGEN	40 46	74 10	253	7A					C ROBERT G. GLASGOW
NANVILLE	5197	SOMERSET	10 40 33	74 34	50	8A					C JOHN L. RADCLIFFE
NARLBORO SCS	5244	MONMOUTH	1 40 20	74 14	120						C GEROW DRILL
NELSON	5343	ATLANTIC	3 39 27	74 44	10	9A					H COUNTY EXTENSION SVC.
NIGHLAND PARK	5503	BERGEN	8 40 59	74 09	210	MIO					C RIGGSWOOD WATER CO.
NILVILLE	5576	CUMBERLAND	6 39 24	75 03	60	8A	MIO				C H. L. GALLAMER
NILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	MIO	MIO				H FED. AVIATION AGENCY

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MATRICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-HARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the table, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table", "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

No record in the "Supplemental Data" Table, "Daily Precipitation" Table, "Evaporation and Wind" Table, "Daily Soil Temperature" Table, "Snowfall and Snow on Ground" Table, and the Station Index.

And also on an earlier date or dates.

Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometer are exposed in a shelter located on the roof of a building.

Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

N One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation is 1:00 a.m. E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

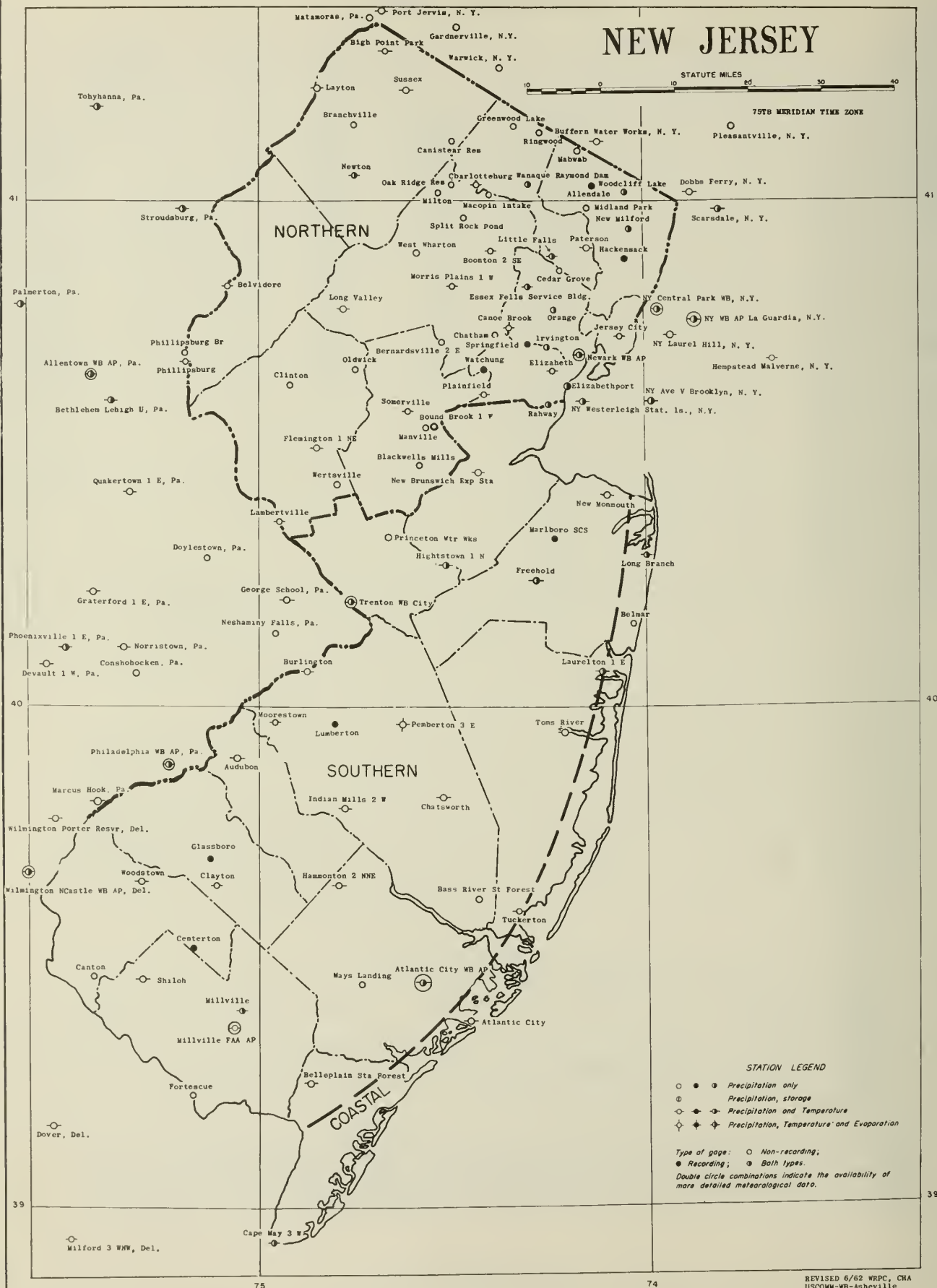
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHVILLE--10-15-63--825

NEW JERSEY

STATUTE MILES

79°58' MERIDIAN TIME ZONE



551.05
UNNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

AUGUST 1963
Volume 68 No. 8



ASHEVILLE: 1963

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 93° on the 23d at Somerville and on the 10+ at Hammonton 2 NNE

Lowest Temperature: 40° on the 27+ at Newton

Greatest Total Precipitation: 6.05 inches at Fortescue

Least Total Precipitation: 1.30 inches at Belmar 2 SW

Greatest One-Day Precipitation: 2.58 inches on the 20th at Millville FAA Airport

SPECIAL WEATHER SUMMARY

The drought conditions which began in April were continued through August, with the most severe conditions in the north-central counties. Preliminary figures show that rainfall for the period April 1 - August 31 was only 42 percent of normal at Flemington, while it was 49 percent of normal at Trenton, and 51 percent of normal at Hammonton.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
% General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
AUGUST 1963

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										90° or Above	32° or Below	31° or Below	0° or Below											
NORTHERN																								
BELVIOERE	78.4	54.4	66.4	- 6.5	85	10+	46	28+	41	0	0	0	0	2.47	- 2.52	.91	2	.0	0		4	2	0	
BOONTON 1 SE	79.5	56.5	68.0	- 2.8	86	24	46	26+	27	0	0	0	0	2.35	- 2.58	1.30	14	.0	0		4	1	1	
CANOE BROOK	81.8	56.7	69.3	- 1.8	90	24	45	26	17	1	0	0	0	2.06	- 3.17	.84	2	.0	0		4	5	1	
CHARLOTTEBURG	79.2	54.5	66.9	- 2.3	87	24	44	19	31	0	0	0	0	1.92	- 3.04	.63	14	.0	0		2	4	2	
ELIZABETH	84.1	60.7	72.4	- 1.7	90	23+	49	25	1	3	0	0	0	1.91	- 3.06	.96	1	.0	0		2	2	0	
ESSEX FELS SERV BLOG	81.3	56.5	68.9		88	24+	45	25	18	0	0	0	0	1.95		.76	2	.0	0		3	3	2	
FLEMINGTON 1 NE	84.6	56.4	70.5	- 2.9	92	24	42	27+	14	3	0	0	0	2.51	- 2.51	1.85	2	.0	0		3	1	1	
HIGH POINT PARK	77.3M	54.8M	66.1M		86	6			36	0	0	0	0	1.80		.85	2	.0	0		3	2	0	
JERSEY CITY	79.9	63.4	71.7	- 2.1	87	6+	52	25	2	0	0	0	0	2.78	- 1.84	1.61	1	.0	0		3	2	1	
LAMBERTVILLE	84.1	59.0	71.6	- 1.4	91	23	46	26+	9	2	0	0	0	1.59	- 3.55	.64	1	.0	0		4	1	0	
LAYTON 2	78.9	53.2	66.1		86	23	43	15	43	0	0	0	0	2.05		1.01	18	.0	0		3	2	1	
LITTLE FALLS	83.6	59.6	71.6	- 1.2	90	10	49	26+	4	1	0	0	0	2.16	- 2.93	.98	14	.0	0		4	1	0	
LONG VALLEY	79.8	53.0	66.4		86	24	42	28+	40	0	0	0	0	3.86	- 1.20	1.50	14	.0	0		4	2	2	
MORRIS PLAINS 1 W	81.6	56.4	69.0		88	24+	46	19+	17	0	0	0	0	3.31		1.50	14	.0	0		5	2	1	
NEWARK WB AIRPORT	83.1	64.8	74.0	- 0.4	92	9	55	25	0	3	0	0	0	1.93	- 2.50	.83	1	.0	0		5	1	0	
NEWTON	81.0	52.9	67.0	- 3.1	89	24	40	27+	43	0	0	0	0	1.61	- 2.93	.65	2	.0	0		4	1	0	
PATERSON	82.4	61.9	72.2	- 1.4	90	10+	52	26+	2	2	0	0	0	2.28	- 2.59	.75	14	.0	0		4	2	0	
PHILLIPSBURG	83.8	57.0	70.4	- 2.0	89	24+	46	27+	10	0	0	0	0	3.11	- 1.93	1.28	14	.0	0		7	2	1	
PLAINFIELD	84.0	59.6	71.8	- 1.3	92	23	48	19+	2	3	0	0	0	1.44	- 3.75	.60	20	.0	0		3	2	0	
SOMERVILLE	85.0	58.6	71.8	- 1.0	93	23	46	25+	3	2	0	0	0	1.49	- 3.52	.69	1	.0	0		4	1	0	
SUSSEX	78.5	54.0	66.3	- 4.5	85	22+	44	27+	39	0	0	0	0	1.88	- 3.16	.69	2	.0	0		4	2	0	
DIVISION														2.21	- 2.70			.0						
SOUTHERN																								
ATLANTIC CITY WB AP	82.1	62.7	72.4	- 1.3	90	9	51	25+	1	1	0	0	0	2.93	- 1.97	.83	20	.0	0		6	2	0	
AUDUBON	84.0	61.4	72.7		91	23	50	26	1	2	0	0	0	3.77		1.56	1	.0	0		5	3	2	
BELLEPLAIN STA FOREST	83.4	59.9	71.7		89	23+	46	15	11	0	0	0	0	5.03	- .72	1.80	20	.0	0		8	2	2	
BURLINGTON	85.1	60.7M	72.9M	- 2.6	91	23			0	3	0	0	0	2.00	- 2.84	.84	20	.0	0		6	1	0	
CHATSWORTH	83.5	58.5	71.0		89	23+	45	27	12	0	0	0	0	3.58		1.23	20	.0	0		7	3	1	
FREEHOLD	83.1	60.6	71.9	- 1.2	91	9	48	25	4	3	0	0	0	2.06	- 2.70	1.09	20	.0	0		4	2	1	
GLASSBORO	83.2	61.9	72.6		90	10	50	26	1	1	0	0	0	4.27		1.79	20	.0	0		5	3	2	
HAMMONTON 2 NNE	84.2	61.1	72.7	- 1.5	93	10+	51	26+	3	3	0	0	0	4.40	- 1.24	1.46	20	.0	0		5	3	3	
HIGHTSTOWN 1 N	82.9	59.0	71.0	- 1.9	90	9	45	19	8	1	0	0	0	2.37	- 2.15	1.10	20	.0	0		5	2	1	
INOIAN MILLS 2 W	82.4	57.3	69.9	- 3.0	88	23+	43	26+	21	0	0	0	0	3.81	- 1.65	1.33	20	.0	0		7	2	2	
MILLVILLE	82.8	61.8	72.3		89	24+	51	25+	2	0	0	0	0	4.53		2.31	20	.0	0		4	4	1	
MILLVILLE FAA AIRPORT	81.7	62.0	71.9		88	23+	49	15	5	0	0	0	0	4.78		2.58	20	.0	0		6	3	1	
MOORESTOWN	82.8	59.3	71.1	- 2.0	90	23	47	26	5	1	0	0	0	2.13	- 2.62	.80	20	.0	0		4	2	0	
NEW BRUNSWICK EXP STA	83.4	61.0	72.2	- 1.0	90	9	50	25+	2	1	0	0	0	1.57	- 3.13	.73	20	.0	0		2	2	0	
NEW MONMOUTH	82.2	60.7	71.5		90	7	49	26+	4	1	0	0	0	2.59		1.46	20	.0	0		5	1	1	
PEMBERTON 3 E	81.9	58.3	70.1	- 3.7	88	1	45	26+	17	0	0	0	0	4.02	- 1.03	1.47	20	.0	0		5	3	2	
SHILOH	82.5	61.7	72.1	- 2.5	88	23	50	25	2	0	0	0	0	3.45	- 1.50	1.35	20	.0	0		5	2	1	
TOMS RIVER	83.2	58.9	71.1		90	9+	46	27+	13	2	0	0	0	3.47		1.05	14	.0	0		6	3	1	
TRENTON WB CITY	82.2	63.0	72.6	- 1.3	90	23	52	25	1	1	0	0	0	1.85	- 2.92	.52	20	.0	0		6	1	0	
TUCKERTON	82.1	59.9	71.0		91	23	47	25+	13	1	0	0	0	5.35		1.73	20	.0	0		10	4	1	
WOOSTOWN	84.2	60.2	72.2		90	9	49	27	2	1	0	0	0	4.12		1.60	20	.0	0		6	2	1	
DIVISION														3.43	- 1.63			.0						
COASTAL																								
ATLANTIC CITY	R 78.3	64.9	71.6	- 2.1	88	23+	54	25+	7	0	0	0	0	2.08	- 3.06	1.01	20	.0	0		5	1	1	
CAPE MAY 3 W	R 81.8M	66.4M	74.1M		87	24+	54	26	0	0	0	0	0	2.11		1.06	2	.0	0		4	2	1	
LONG BRANCH	79.9	61.4	70.7	- 2.1	87	7+	51	19	6	0	0	0	0	2.08	- 3.17	1.06	20	.0	0		3	1	1	
DIVISION														2.09	- 2.85			.0						

DAILY PRECIPITATION

NEW JERSEY
AUGUST 1963

Station	R	Total	Day of Month																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
ATLANTIC CITY WB AP		2.93	.49						.10	T	.07	.02			.76					T	.01	.06	.83										.03	.01			.03	.05	.15
ATLANTIC CITY		2.08	.22						.09						.33										.15		.01												
AUDUBON		3.77	1.56							.10	T				.66							T	1.05																
BASS RIVER ST FOREST		4.49	.83	.38					.39			.40				.95						T	1.25			.04	.04												
BELLEPLAIN STA FOREST		5.03	1.22						.05							.37	.37	.04					1.80			.05	.33	.09		.01									.10
BELMAR 2 SW		1.30												1.20								T																	T
BELVIDERE		2.47	.91		.06					T					.01	.77				.38		.27																.05	
BERNARDSVILLE 2 E		2.60	.93		.02									.03	.01	.95				.19		.42	.03														.02	.02	
BLACKWELLS MILLS		2.09	1.04								.05					.26						.59							.04									.05	
BOONTON 1 SE		2.35	T	.44	.05					T					.03	1.30					.22		.31		T												T		
BOUND BROOK 2 W		1.36		.72	T											.19				T		.44															.01		
BRANCHVILLE		1.75	.70		.04										T	.17				.60		.22															.02		
BURLINGTON		2.00	.35	.05	.04						.05				.20	.10						.84	.20	.01													.11	.05	
CANISTEAR RESERVOIR		2.10			.95										T	.39					.54		.22																
CANOE BROOK		2.06		.84	.05						T			.30	.04	.30				.13		.40	T														T		
CANTON		3.64	.98		.50					.03						.62						1.35	.07															.09	
CAPE MAY 3 W		2.11		1.06	.01	.02			.01	.03					.26							.53				.03											.02		
CEAR GROVE		2.04		.27	.06										.03	.61					.42		.65																
CHARLOTTEBURG		1.92		.54	.01										.03	.63					.48		.23	T															
CHATS WORTH		3.58	.75	.04	.15						.34		.01		.26	.60						1.23			.20	T													
CLINTON		1.99		.88	.02										.52						.01		.54													.01	.01		
ELIZABETH		1.91	.96		.04				T	.02				.05	.09	.05					.02		.68			T													
ELIZABETHPORT		1.70	.66		.04									.08	.14							.74																	
ESSEX FIELDS SERV BLOG		1.95		.76	.03										.03	.56					.48		.07																
FLEMINGTON 1 NE		2.51		1.85	.04					.02					T	.13						.43	T			T											.01	.04	
FORTESCUE		6.05			1.30										1.33							2.12	.37	.73													.20		
FRESHOLO		2.06	.60		.02				.05						.14	.05				.01		1.09																	
GLASSBORO		4.27	1.05		.84				.11						.48							1.79															.10		
GREENWOOD LAKE		2.56		1.10										.10	.01	.82					.36		.17																
HAMMONTON 2 NNE		4.40		.36	.19				.08			.04			1.11							1.46	.01		1.15	T													
HIGH POINT PARK		1.80		.85						T		.02			.03						.70		.15		.05														
MIGHTSTOWN 1 N		2.37	.68	.01	T	.05			T	.12					.10	.02																							
INOIAN MILLS 2 W		3.81	1.10	.22	.23				T	.28		.04			.14	.42						1.10					.03												
IRVINGTON		1.56	.80	.02	.01				.02					.12	.16							1.33	T	.05															
JERSEY CITY		2.78	1.61		T	T				T			.07		.27						.05	.25	.18																
LAMBERTVILLE		1.59	.64	.02	.02					.04					.25						.02		.38														.22		
LAYTON 2		2.05	T	.68								.01			.01	.08					1.01		.12	.07		T		.05	T								.02		
LITTLE FALLS		2.16		.22	.05										.47							.47																	
LONG BRANCH		2.08	.45		T				.03						.41							.02	.05	1.06			T									.05	.01		
LONG VALLEY		3.86		1.44	.07									.02	.01	1.50					.40		.37	.03													.02		
MAHWAH		2.75		.87						.01					.17	.01	.57				.83		.29																
MANVILLE		1.42	.72		T									T	T	.22						.48																	
MAYS LANDING		4.31		.63	.48				.02						T	.80																							
MIDLAND PARK		2.68	.33												1.33					.02	.30		1.43	.65	.02	.14											.12	T	
MILLVILLE		4.93	.51		.58			.09							.88								.45		.25														
MILLVILLE FAA AIRPORT		4.78	.56		T	.49			.06						.71							.04	2.31	.02	.03	.03													
MILTON		2.21		.82												.48							.31																
MOORESTOWN		2.13		.11					.06						.61						.54		.80	.01		.02	T	T											
MORRIS PLAINS 1 W		3.31	T	.69	.08									.44	.01	1.50					.25		.34	T													.04		
NEWARK WB AIRPORT		1.93	.83	T	.01	.01			T	T		T	.22	T	.18						.02	.27	.39																
NEW BRUNSWICK EXP STA		1.57	.52	.05	T				.05						.08	.09					.02		.73														.03		
NEW MILFORD		2.91	.67						.04						.76	.37							.36																
NEW MONMOUTH		2.59	.40	.38	T				.05	.10					.13							T				T		.30									.05		
NEWTON		1.61		.65	.04										T	.29							.17	T															
OAK RIDGE RESERVOIR		2.31		.78	.06										.04	.40						.61		.38	.04														
OLOWICK		2.52	T	.75	.04										.01	.96					.22		.47														.02		
ORANGE		2.77		1.0.																																			

DAILY TEMPERATURES

NEW JERSEY
AUGUST 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC CITY WB AP	MAX	83	84	87	87	84	88	86	85	90	82	81	87	79	74	78	82	80	81	76	82	85	80	89	80	76	76	78	80	76	83	86	82.1
	MIN	68	65	69	70	65	63	66	67	64	67	60	64	70	61	51	57	61	60	54	66	68	69	67	61	51	53	55	56	65	68	63	62.7
ATLANTIC CITY	MAX	78	82	82	88	84	82	80	80	82	78	78	80	75	72	71	78	74	78	73	76	78	80	88	82	68	72	76	74	72	82	83	78.3
	MIN	69	67	71	72	64	65	69	70	68	70	64	66	69	60	54	60	66	62	62	66	69	70	69	61	54	56	57	61	68	68	65	64.9
AUGUBON	MAX	86	85	89	87	85	87	85	88	90	86	82	88	81	76	79	84	85	81	79	83	88	83	91	84	79	78	82	83	76	86	87	84.0
	MIN	67	64	67	69	64	58	61	62	62	68	58	59	70	62	57	55	58	62	51	65	68	71	66	62	52	50	53	53	63	66	60	61.4
BELLEPLAIN STA FOREST	MAX	85	85	86	88	87	87	85	85	89	87	85	86	85	80	77	83	82	82	79	83	85	82	89	86	75	78	79	80	76	83	85	83.4
	MIN	68	62	63	68	62	55	60	67	59	67	55	60	69	65	46	50	54	69	50	65	66	68	63	65	49	47	47	48	57	65	68	59.9
BELVIOERE	MAX	81	80	80	81	83	80	85	82	82	85	79	80	82	75	69	75	76	80	72	75	78	80	81	84	74	72	75	76	78	72	79	78.4
	MIN	54	61	60	61	62	55	55	57	57	57	51	51	53	60	49	49	50	54	46	47	62	61	61	65	47	46	47	46	47	60	55	54.4
BOONTON 1 SE	MAX	82	80	79	82	84	79	83	84	85	85	80	81	80	75	70	74	78	81	73	76	79	82	84	86	77	75	75	80	79	75	81	79.5
	MIN	61	60	59	64	65	58	56	59	58	61	48	53	59	64	52	50	52	58	46	52	63	67	67	65	46	46	47	48	49	63	56	56.5
BURLINGTON	MAX	89	90	88	87	87	89	88	87	90	87	86	87	85	80	79	83	85	84	80	83	85	83	91	89	81	81	82	83	80	85	85	85.1
	MIN	62	58	59	62	60	58	64	61	66	61	61	61	70	60	55	57	58	58	54	61	70	71	68	57	56	51	54	56	63	64	57	60.7
CANOE BROOK	MAX	84	83	80	85	87	80	86	89	85	89	82	84	84	76	71	78	80	82	75	79	81	84	86	90	79	76	78	80	83	78	82	81.8
	MIN	63	60	58	58	61	56	57	60	58	63	60	53	62	61	49	49	53	58	47	55	64	65	64	64	48	45	48	50	53	62	55	56.7
CAPE MAY 3 W	MAX	85	80	83	87	87	85	85	82	86	83	81	83	84	80		81	81	81	79	81	81	80	86	87	77	76	77	78	78	80	81	81.8
	MIN	67	67	72	72	72	68	70	71	68	71	64	70	69	68		63	63	69	62	66	70	69	57	68	59	54	59	60	68	70	65	66.4
CHARLOTTEBURG	MAX	81	80	78	82	82	77	84	85	84	85	80	81	80	75	68	75	77	79	72	76	79	83	84	87	79	75	75	79	80	74	80	79.2
	MIN	57	59	55	62	62	56	55	58	55	59	47	51	57	61	50	50	52	56	44	50	62	59	61	64	46	45	46	46	49	61	56	54.5
CHATSWORTH	MAX	86	83	87	88	88	86	88	84	89	88	84	88	83	80	77	83	82	79	76	83	86	84	89	87	78	77	80	80	77	83	86	83.5
	MIN	66	60	60	68	58	54	54	63	60	66	53	56	69	63	49	50	54	68	48	65	68	67	63	67	48	47	45	49	61	60	56	58.5
ELIZABETH	MAX	84	83	87	89	83	89	90	87	90	85	86	86	82	75	80	83	84	80	80	82	87	86	90	84	79	80	84	84	79	84	86	84.1
	MIN	65	62	62	69	65	60	61	63	62	65	56	57	67	65	52	54	57	54	52	65	67	68	67	67	49	53	53	54	64	66	60	60.7
ESSEX FIELDS SERV BLDG	MAX	85	83	81	84	86	80	86	87	85	88	82	83	82	76	71	77	80	80	76	76	82	84	86	88	78	75	77	81	81	77	82	81.3
	MIN	62	60	59	64	63	56	58	60	58	60	51	54	59	61	48	51	52	57	48	53	64	64	65	66	45	47	48	51	54	63	52	56.5
FLEMINGTON 1 NE	MAX	91	82	85	89	86	85	89	89	90	87	86	88	87	78	75	85	82	83	76	82	86	88	89	92	80	78	83	84	85	78	85	84.6
	MIN	54	61	60	69	62	56	59	58	55	60	50	52	64	64	48	48	58	56	42	52	65	65	64	67	50	45	42	45	60	64	57	56.4
FREEMOLO	MAX	84	83	87	88	85	86	90	85	91	84	84	86	80	74	79	85	82	80	78	82	85	81	90	85	76	78	80	82	77	84	85	83.1
	MIN	64	63	63	68	62	60	62	62	62	67	55	58	68	63	51	53	56	69	51	63	69	68	66	67	48	50	52	53	61	65	60	60.6
GLASSBORO	MAX	88	85	84	86	87	84	85	83	85	87	85	85	87	83	75	77	84	83	79	78	83	85	84	89	85	81	77	80	81	80	80	83.2
	MIN	70	63	67	67	64	59	61	63	62	68	56	60	67	65	52	56	58	66	51	60	67	70	67	69	61	50	53	54	61	66	66	61.9
HAMMONTON 2 NNE	MAX	89	89	85	93	89	86	87	88	86	93	86	87	90	83	73	76	83	87	79	81	85	88	81	89	80	76	72	80	84	78	82	84.2
	MIN	67	64	66	69	63	61	62	63	63	62	56	61	68	64	54	58	58	65	51	56	66	69	66	68	52	51	55	53	58	64	62	61.1
HIGH POINT PARK	MAX	80	71	75	81	80	86	83	80	82	82	76	78	76			70	75	76	75	68	73	77	81	85	84	77	70	78	67	81	77.3	
	MIN	61	56	58	61	57	55	60	56	54	54	53	54	56			42	48	53	53		60			65	65	44	40	48	52	57	58	55
HIGHTSTOWN 1 N	MAX	86	81	86	86	83	86	88	87	90	84	85	85	81	76	79	84	84	79	81	83	84	82	88	81	75	77	81	83	78	83	83	82.9
	MIN	65	63	61	70	61	57	59	61	59	65	53	55	66	64	50	53	55	52	45	64	67	69	67	66	49	47	48	51	62	66	60	59.0
INDIAN HILLS 2 W	MAX	86	83	87	86	83	87	87	86	88	85	85	85	81	77	76	83	83	78	77	82	85	79	88	82	76	77	80	81	76	84	84	82.4
	MIN	65	57	62	68	60	52	57	60	57	64	50	53	69	62	47	50	53	66	43	64	66	68	62	65	44	43	45	47	59	62	55	57.3
JERSEY CITY	MAX	79	80	84	87	81	87	85	83	86	82	80	84	75	72	76	80	75	76	72	80	85	82	83	78	75	76	79	77	76	81	82	79.9
	MIN	66	64	67	70	66	66	70	65	68	66	62	60	71	61	56	56	64	65	56	59	69	67	71	61	52	55	59	62	61	65	64	63.4
LAMBERTVILLE	MAX	86	85	87	87	85	87	86	88	90	86	85	85	82	77	79	84	86	83	80	84												

DAILY TEMPERATURES

NEW JERSEY
AUGUST 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOMERVILLE	MAX	85	84	88	88	85	89	89	89	92	86	86	88	83	76	81	85	87	79	81	84	88	87	93	86	79	82	84	80	80	86	85	85.0
	MIN	65	60	60	68	64	56	57	61	60	64	53	52	68	64	48	50	55	64	46	64	66	66	65	65	46	49	49	51	61	64	57	58.6
SUSSEX	MAX	82	78	77	82	81	77	82	84	81	85	78	81	79	74	68	75	77	83	70	75	79	85	83	84	75	73	75	77	81	74	80	78.5
	MIN	54	59	58	58	64	56	58	58	55	57	57	48	53	60	49	48	51	51	45	46	61	60	60	64	50	44	44	45	47	61	53	54.0
TOMS RIVER	MAX	86	83	86	85	87	85	90	84	90	89	81	86	85	77	76	83	83	78	77	81	85	83	88	87	83	76	75	81	76	87	85	83.2
	MIN	66	62	59	69	63	55	58	62	60	67	51	54	65	65	50	56	53	67	46	65	65	66	68	67	48	46	46	48	59	63	57	58.9
TRENTON W8 CITY	MAX	84	84	87	86	84	85	87	86	89	83	84	83	79	73	78	82	83	77	76	83	86	83	90	81	75	77	80	80	76	85	83	82.2
	MIN	66	65	68	71	65	62	66	64	65	67	61	62	70	61	55	59	62	59	55	64	70	72	69	58	52	54	56	58	64	68	64	63.0
TUCKERTON	MAX	83	84	86	85	87	88	84	89	88	83	81	84	80	78	75	80	80	81	80	81	83	80	91	86	76	73	76	80	77	82	85	82.1
	MIN	66	62	62	63	65	64	61	67	58	64	56	54	72	64	51	57	60	61	47	66	68	69	64	51	47	49	49	48	65	65	61	59.9
WOODSTOWN	MAX	85	85	88	88	86	87	86	88	90	85	86	87	84	81	79	83	84	79	88	83	85	85	89	87	78	78	81	80	76	85	85	84.2
	MIN	64	62	64	69	64	55	60	60	61	66	56	57	69	65	51	52	57	70	50	66	63	70	65	66	50	50	49	51	64	64	57	60.2

DAILY SOIL TEMPERATURES

Station		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RUTGERS MICRO MET																																	
PLOT #1																																	
1 INCH	MAX	82	85	86	86	85	88	86	87	87	90	88	86	77	76	84	84	82	87	83	84	84	84	86	79	84	84	84	82	74	80	81	83.8
	MIN	75	73	73	75	73	72	72	73	73	74	71	71	73	68	64	66	68	71	66	71	73	74	73	70	66	66	67	66	69	67	68	70.5
2 INCHES	MAX	81	83	84	83	83	85	83	84	85	87	87	83	77	75	81	81	80	84	81	81	82	82	83	78	81	81	80	79	73	78	78	81.4
	MIN	75	73	73	76	73	72	72	73	73	74	72	72	73	68	65	67	69	72	68	71	73	74	73	71	67	67	67	67	69	69	68	70.9
4 INCHES	MAX	80	85	81	80	80	81	80	80	81	82	81	80	76	74	77	77	77	79	77	78	79	79	80	76	76	76	76	76	72	74	74	78.3
	MIN	76	74	74	76	74	73	73	74	73	75	74	74	74	70	67	69	70	74	70	72	74	74	74	72	70	69	69	69	70	70	69	72.2
8 INCHES	MAX	78	77	78	78	77	78	77	77	78	78	77	77	75	75	74	74	74	76	75	75	76	76	76	75	74	73	73	73	71	71	71	75.4
	MIN	76	75	75	76	75	74	75	75	74	75	74	75	75	73	70	69	71	73	71	72	71	72	74	74	71	70	70	70	71	70	70	73.1
16 INCHES	MAX	76	75	75	75	75	75	75	74	74	74	74	74	74	74	73	73	72	72	73	72	72	73	73	73	73	72	72	72	71	69	70	73.3
	MIN	75	75	74	75	75	74	74	74	74	74	74	74	74	73	73	71	71	71	72	71	71	71	72	73	73	72	71	70	69	70	67	72.4
32 INCHES	MAX	72	72	72	72	72	72	72	72	72	71	71	72	71	72	71	71	71	70	70	70	70	70	70	71	71	71	71	70	70	69	71.0	
	MIN	72	72	72	72	72	72	72	72	71	71	71	71	71	71	70	70	70	70	70	70	70	69	70	70	70	70	69	68	70	69	65	70.5
PLOT #2																																	
1 INCH	MAX	92	87	97	97	97	103	100	97	101	103	102	98	80	77	94	96	96	97	96	87	88	92	91	83	92	94	96	95	78	89	93	93.2
	MIN	73	70	68	74	70	69	72	71	70	74	69	70	74	63	59	63	66	70	64	71	72	73	72	65	60	62	68	63	69	70	65	68.4
2 INCHES	MAX	90	86	94	94	94	101	96	94	99	101	98	70	79	77	92	93	93	95	93	86	88	90	94	82	91	92	93	92	78	88	90	91.3
	MIN	73	70	69	75	70	72	72	71	71	74	70	73	75	64	60	64	67	71	64	71	72	73	72	67	60	63	67	64	69	70	66	68.9
4 INCHES	MAX	88	84	90	90	90	96	91	90	94	96	94	90	79	76	87	88	88	90	89	84	85	85	90	80	86	87	88	87	76	83	86	87.4
	MIN	75	71	70	76	72	71	73	73	73	76	72	73	76	67	63	66	69	74	67	72	73	74	74	74	70	63	66	67	70	71	68	70.8
8 INCHES	MAX	82	80	83	84	83	85	84	83	86	87	86	84	78	77	79	80	81	83	81	79	80	79	82	78	79	79	80	79	74	76	77	81.0
	MIN	78	75	73	77	76	75	76	76	76	78	75	77	77	71	68	71	72	75	72	74	74	75	75	74	69	70	70	71	73	71	70	73.7

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, FALLOW. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CANOE BROOK	EVAP	.20	.13	.18	.11	-	.30	.16	.18	.17	.21	.08	.40	.16	.07	.18	.14	.20	.15	.22	.23	.05	.16	.11	.14	.15	.20	.15	.18	.18	.05	.13	8 5.14
	WIND	24	15	23	18	12	31	11	18	25	9	2	45	13	33	42	14	32	33	31	40	5	13	8	11	9	42	15	17	34	24	12	66.1
	MAX	63	61	89	90	75	71	74	76	78	82	79	91	90	75	74	87	87	87	87	83	90	87	92	70	82	85	86	82	73	85	82.0	
	MIN	95	65	66	67	65	64	62	66	67	60	65	60	63	65	54	56	60	67	56	57	65	69	70	69	46	53	57	58	58	63	63	62.9
PEMBERTON 3 E	EVAP	.21	.25	.20	.24	.26	.21	.25	.16	.11	.24	.23	.16	.11	.22	.15	.18	.17	.20	.16	.22	.15	.09	.11	.14	.09	.16	.09	.14	.09	.14	5.24	
	WIND	7	42	12	47	55	15	10	8	5	14	7	15	18	47	14	14	21	12	7	19	6	7	4	16	12	5	5	9	17	7	12	489

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RE

STATION INDEX

NEW JERSEY
1963

STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL	
ALLENDALE	BERGEN	0100	8	41 02	74 08	270					C BERGEN COUNTY ENGINEERS	MILTON	5597	MORRIS	8	41 01	74 32	950	7A			JERSEY CITY WATER WKS.	
ATLANTIC CITY WB AP	ATLANTIC	0311	39	27	74 28	110	MID				C HJ U.S. WEATHER BUREAU	WOODSTOWN	4728	BURLINGTON	39	38	74 58	55	MID	8A		H W. WILLARD	
ATLANTIC CITY	ATLANTIC	0325	39	23	74 26	113	MID				J STATE MARINA	MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400	8A	8A		H JOSEPH M. GARRIS, III	
BAFFIN CREEK	CAMDEN	0346	39	56	75 04	50	11P	11P			H JVIN J. NYGREN	NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	110		C HJ U.S. WEATHER BUREAU	
BASS RIVER ST FOREST	BURLINGTON	0528	39	37	74 26	20	9A				N.J. FOREST SERVICE	NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	5P	5P		GH ARTHUR H. ANDRUS	
BELLEPLAIN STA FOREST	CAPE MAY	0690	39	15	74 52	30	5P	5P			BELLEPLAIN STATE FOREST	NEW MILFORD	6146	BERGEN	4	40 57	74 02	12	MID			C HACKENSACK WATER CO.	
BELMAR 2 SW	MONMOUTH	0721	40	09	74 04	7A					WALTER J. SCHANCK	NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P	4P		H ST. MARYS SCHOOL	
BELVIDERE	WARREN	0729	40	50	75 05	275	7A				C CLEMENT HAUP	NEWTON	6177	SUSSEX	2	41 03	74 45	565	8A	8A		C H NEWTON WTR. & SWP. COMM.	
BERNARDSVILLE 2 E	SOMERSET	0797	40	32	74 32	240	7A				PUBLIC SERVICE OF N.J.	OKA RIDGE RESERVOIR	6440	PASSAIC	8	41 02	74 30	870	8A			H NEWARK WATER DEPT.	
BLACKWELLS MILLS	SOMERSET	0847	40	29	74 35	270	7A				HENRY M. MILLER	OLDWICK	6544	HUNTERDON	10	40 40	74 45	260	8A			H DAN A. COUGHLIN	
BOONTO 1 SE	MORRIS	0907	8	40 54	74 24	280	8A	8A			JERSEY CITY WATER WORKS	ORANGE	6560	ESSEX	8	40 47	74 13	160	MID			C ESSEX COUNTY ENGINEER	
BOUND BROOK 2 W	SOMERSET	0927	40	33	74 34	50	8A				AMERICAN CYANAMID CO.	PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A	8A		H P. J. DEL VECCHIO	
BRANCHVILLE	SUSSEX	0978	5	41 09	74 45	580	7A				ALBERT M. DAVENPORT	PERMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	5P		H H. PHILIP C. MARUCCI	
BURLINGTON	BURLINGTON	1211	40	05	74 52	12	6P	6P			PUBLIC SERVICE OF N.J.	PHILLIPSBURG BRIDGE	6974	WARREN	2	40 41	75 12	182	3P	3P		H SEWAGE DISPOSAL PLANT	
CANTISTAR RESERVOIR	SUSSEX	1327	8	41 07	74 30	1040	8A				NEWARK WATER DEPARTMENT	PLAINFIELD	7079	UNION	10	40 36	74 25	120	6P	6P		H MRS VIVIAN SCHERER	
CANOE BROOK	ESSEX	1335	8	40 45	74 21	180	8A	9A			COMMONWEALTH WATER CO.	PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60	MID			C H PRINCETON WATER CO.	
CANTON	SALEM	1343	2	39 28	75 25	20	9A				GERTRUDE S. WILLIS	RANNEY	7393	UNION	9	40 36	74 16	20	MID			H RANNEY VLT. SWG. AUTH.	
CAPE MAY 3 W	CAPE MAY	1351	1	38 57	74 58	10	5P	5P			N.WEST MAGNETITE CO.	RINGWOOD	7587	PASSAIC	8	41 08	74 16	305	10A			H NO. JERSEY WTR. SUPPLY	
CEAR GROVZ	ESSEX	1472	8	40 52	74 13	400	8A				J.A. PLUNKETT	SHILON	8051	CUMBERLAND	2	39 28	75 18	120	5P	5P		H EVERETT OCKINSON	
CENTERTON	SALEM	1512	6	39 31	75 10	80	7A				H JOHN HOPKINS UNI.	SOMERVILLE	8194	SOMERSET	10	40 35	74 37	90	6P	6P		H W. E. HAVER	
CHARLOTTEBURG	MORRIS	1590	8	40 44	74 23	185	8A				C NEWARK WATER DEPT.	SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800	10A			C JERSEY CITY D. P. W.	
CHATHAM	MORRIS	1590	8	40 44	74 23	185	8A				EDWARD P. HOLTOR	SPRINGFIELD	8423	UNION	1	40 43	74 18	90				C UNION COUNTY ENGINEER	
CHATSORTH	BURLINGTON	1598	1	39 49	74 32	100	5P	5P			H EARL M. KERCHER	SUSSEX	8644	SUSSEX	5	41 13	74 37	440	7A	7A		H BRIDGE B. STANTON	
CLAYTON	GLOUCESTER	1708	6	39 39	75 06	120	6P	6P			H CLODSE 6-4-63	TOMS RIVER	8816	OCEAN	1	39 57	74 13	10	6P	6P		H TOMS RIVER WATER CO.	
CLINTON	HUNTERDON	1748	10	40 38	74 55	200	8A				ANDREW F. DROPP	TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	MID		C HJ U.S. WEATHER BUREAU	
ELIZABETH	UNION	2644	1	40 40	74 14	40	5P	5P			C UNION CO. PARK COMM.	TUCKERTON	8908	OCEAN	1	39 38	74 20	10	6P	6P		H RE. WALTER T. GANDEK	
ELIZABETHPORT	UNION	2652	UNION	3 39 38	74 14	110	5P	5P			C SEWAGE TREATMENT PLANT	WATCHUNG	9187	PASSAIC	8	41 03	74 18	320	8A			C H WATER SUPPLY COMM.	
ESSEX FELS SERV BLDG	ESSEX	2758	ESSEX	8 40 50	74 17	340	8A				H GONALD YOUNG	WERTSVILLE	9363	HUNTERDON	10	40 27	74 48	160	7A			C UNION COUNTY ENGINEER	
FLEMINGTON 1 NE	HUNTERDON	3029	10	40 31	74 51	140	5P	7A			H JOHN LOPEZ	WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	7A			H ROBERT H. MANNERS	
FORTESCUE	CUMBERLAND	3102	2	39 14	75 10	5	7A				H JOHN LOPEZ	WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103	MID			C N.J. POWER & LIGHT CO.	
FREEDHOLD	MONMOUTH	3181	10	40 15	74 17	194	6P	6P			C FRANK J. MOREAU	WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P	5P		C HACKENSACK WATER CO.	
GLASSBORO	GLOUCESTER	3293	6	39 39	75 07	135	5P	MID			C GLASSBORO STATE COLLEGE												H CREAM VALLEY DAIRY
GREENWOOD LAKE	PASSAIC	3516	8	41 09	74 20	660	7A				C GEORGE T. WIGGINS												
HACKENSACK	BERGEN	3572	4	40 53	74 03	10	5P				C BERGEN COUNTY ENGINEERS												
HAMMONTON 2 NNE	ATLANTIC	3682	7	39 39	74 45	85	8A				H HUBBARD PARKMURST												
HIGH POINT PARK	SUSSEX	3953	2	41 18	74 40	1570	8A	8A			N. J. DEPT. OF COMS.	NEW STATION											
HIGHTSTOWN 1 N	MERCER	3951	10	40 17	74 31	100	6P	6P			C JAMES R. PICKERING												
INDIAN HILLS 2 W	BURLINGTON	4229	7	39 48	74 47	100	7P	7P			C EDWARD ENTWISTLE												
IRVINGTON	ESSEX	4240	10	40 31	74 15	50	MID				C JOINT MEETING GARAGE	SEABROOK FARMS	7936	CUMBERLAND	2	39 30	75 14	90	8A	8A	8A		H SEABROOK FARMS CO.
JERSEY CITY	HUDSON	4339	1	40 44	74 03	135	MID	MID			JERSEY CITY WATER DEPT.												
LAMBERTVILLE	HUNTERDON	4635	2	40 22	74 57	75	6P	6P			H E. E. CASE	CLOSED STATION											
LAURELTON 1 E	OCEAN	4700	1	40 04	74 07	20	MID	MID			C PUBLICATION ENDED B/62.												
LAYTON 2	SUSSEX	4736	2	41 15	74 52	390	7A	7A			H CHARLES ROOFS	CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P			H CLOSED 6-4-63
LITTLE FALLS	PASSAIC	4887	8	40 53	74 14	150	9A				C PASSAIC VLT. WTR. COMM.												
LONG BRANCH	MONMOUTH	4987	1	40 18	74 00	20	MID	MID			C HJ WILLIAM D. MARTIN, JR.												
LONG VALLEY	MORRIS	5003	10	40 47	74 47	530	5P	7A			H MISS PEARL HINSHAW												
LUMBERTON	BURLINGTON	5055	2	39 58	74 48	25					JAMES LAWTON												
MACOPIN INTAKE	PASSAIC	5071	8	41 01	74 58	7A					INACTIVE 1/61												
MAHWAH	BERGEN	5104	8	41 06	74 10	253	7A				ROBERT G. GLASGOW												
MANVILLE	SOMERSET	5197	10	40 33	74 34	50	8A				JOHN L. RADCLIFFE												
MARLBORO SCS	MONMOUTH	5244	1	40 20	74 14	120					C GEROW BRILL												
MAYS LANDING	ATLANTIC	5346	3	39 27	74 44	10	9A				H COUNTY EXTENSION SVC.												
MIDLAND PARK	BERGEN	5503	8	40 59	74 09	210	MID				C RIDGEWOOD WATER CO.												
MILLVILLE	CUMBERLAND	5576	6	39 24	75 03	60	8A	MID			C L. J. GALLANER												
MILLVILLE FAA AIRPORT	CUMBERLAND	5581	6	39 22	75 04	70	MID	MID			H FEO. AVIATION AGENCY												

1-COASTAL; 2-OCEANWAVE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-MAURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-HARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SS, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding July date will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, climatological units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting or occasional change of local weather result in apparent irregularities in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by L.O. entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

++ Add also on or earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

E One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

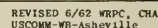
R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small

STATUTE MILES

75TB MERIDIAN TIME ZONE



257.05
UNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

SEPTEMBER 1963
Volume 68 No. 9



ASHEVILLE: 1963

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 89° on the 13+ at 5 stations

Lowest Temperature: 24° on the 24th at Newton

Greatest Total Precipitation: 8.57 inches at Clinton

Least Total Precipitation: 2.38 inches at Ringwood

Greatest One-Day Precipitation: 4.00 inches on the 13th at Clinton

SPECIAL WEATHER SUMMARY

September in New Jersey was cold. In fact, this was the coldest September since 1918. The summer of 1963 was cool, with below normal temperatures for every month from May through September. The few temperatures of 100° or higher in late June and early July were offset by unseasonably cool temperatures during each of the summer months. Snow was reported in many communities as late as May 1. Freezing temperatures were reported as late in the spring as May 25, and as early in the autumn as September 24, after scattered frost occurred on September 14 and 15.

Rainfall was above normal for September throughout New Jersey. This is the first month since last March that rainfall has not been deficient. During the period from April 1 through mid-September the drought conditions became progressively worse, with rainfall for that period 10 inches below normal for the period. The heavy rains

in middle and late September have relieved the drought situation at least temporarily.

On the morning of September 29, high winds and rough seas ripped apart a barge anchored near Ship John Lighthouse in Delaware Bay. The barge watchman was drowned while desperately trying to board a lifeboat from the crumbling barge which was 300 feet from the lighthouse. The lighthouse is situated on an outcropping of rocks in the middle of the Delaware Bay channel, about 3 miles from New Jersey's Cumberland County shore.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
% General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
SEPTEMBER 1963

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
											90° or Above	37° or Below	32° or Below	0° or Below										
NORTHERN																								
BELVIDERE		71.2	45.1	58.2	- 7.8	82	20*	28	24	213	0	0	3	0	3.24	- .63	1.56	30	+0	0		6	3	1
BOONTON 1 SE		71.5	47.0	59.3	- 4.2	83	10	29	25	185	0	0	3	0	4.26	- .09	2.23	30	+0	0		9	2	1
CANOE BROOK		73.2	46.4	59.8	- 4.4	87	13	28	24	184	0	0	2	0	4.43	- .11	1.76	30	+0	0		6	4	1
CHARLOTTEBURG		70.9	45.2	58.1	- 4.3	84	20*	29	25*	216	0	0	3	0	3.60	- .81	1.91	30	+0	0		5	2	1
ELIZABETH		75.5	52.5	64.0	- 3.2	88	9	35	24	97	0	0	0	0	5.04	- .70	2.10	29	+0	0		7	3	2
ESSEX FELS SERV BLOC		72.2	46.9	59.6	- 6.1	85	13*	30	24	181	0	0	2	0	3.79	- .42	1.54	30	+0	0		8	3	1
FLEMINGTON 1 NE		75.2	45.7	60.5	- 6.1	89	3	27	25*	170	0	0	3	0	6.20	- 2.61	2.35	13	+0	0		6	5	3
HIGH POINT PARK		68.7	45.5	57.1	- 4.1	82	20	28	24	246	0	0	3	0	3.31	- .85	1.31	30	+0	0		6	3	1
JERSEY CITY		71.0	54.5	62.8	- 4.1	85	19*	38	24	121	0	0	0	0	4.66	- .85	1.82	29	+0	0		7	3	1
LAMBERTVILLE		76.0	49.9	63.0	- 3.2	87	12	29	24	120	0	0	1	0	3.71	- .42	1.70	29	+0	0		5	3	1
LAYTON 2		71.9	43.8	57.9	- 3.7	85	20	27	24	221	0	0	3	0	2.65	- .34	1.23	30	+0	0		4	2	1
LITTLE FALLS		74.5	49.6	62.1	- 3.7	88	20*	32	24	139	0	0	1	0	4.21	- .34	1.76	30	+0	0		9	3	1
LONG VALLEY		72.2	44.1	58.2	- 3.7	83	13*	25	24	214	0	0	4	0	3.67	- .25	1.38	30	+0	0		5	4	1
MORRIS PLAINS 1 W		72.5	48.0	60.3	- 3.3	85	10	30	25	169	0	0	1	0	4.07	- .18	1.82	30	+0	0		7	3	1
NEWARK WB AIRPORT	R	73.2	54.8	64.0	- 3.3	88	12*	42	25*	108	0	0	0	0	3.94	- .18	1.93	29	+0	0		7	3	1
NEWTON		73.3	42.9	58.1	- 4.9	85	20*	24	24	219	0	0	6	0	3.55	- .44	1.85	30	+0	0		5	2	2
PATERSON		73.8	52.0	62.9	- 3.5	88	10	36	24	127	0	0	0	0	4.57	- .36	1.75	30	+0	0		9	3	1
PHILLIPSBURG		76.5	47.5	62.0	- 3.5	88	3	31	24	138	0	0	2	0	6.23	- 2.23	2.45	12	+0	0		4	4	3
PLAINFIELD		74.3	50.9	62.6	- 3.6	88	9	33	25	125	0	0	0	0	6.70	- 2.37	3.22	13	+0	0		6	4	2
SOMERVILLE		75.1	50.7	62.9	- 3.1	87	12*	32	25*	120	0	0	2	0	7.66	- 3.89	3.63	13	+0	0		6	3	3
SUSSEX		72.0	44.1	58.1	- 5.4	83	28*	27	25*	217	0	0	3	0	2.92	- 1.00	1.48	30	+0	0		5	1	1
DIVISION 01				60.5	- 4.5									4.40	- .34			+0						
SOUTHERN																								
ATLANTIC CITY WB AP		72.8	54.9	63.9	- 3.3	86	20	36	24	102	0	0	0	0	4.35	- 1.04	1.91	16	+0	0		4	3	2
AUDUBON		75.2	53.0	64.1	- 3.5	89	12	36	25	96	0	0	0	0	6.95	- .54	2.25	29	+0	0		6	3	3
BELLEPLAIN ST FOREST		74.5	51.4	63.0	- 4.3	86	12	30	25	119	0	0	2	0	4.60	- .54	1.80	16	+0	0		5	3	2
BURLINGTON		76.0	52.9M	64.5M	- 4.3	89	12	37	25*	99	0	0	0	0	6.83	- 3.18	2.10	4	+0	0		7	4	4
CHATSWORTH		75.3	50.3	62.8	- 4.8	88	12	31	25	127	0	0	1	0	3.60	- 1.80	1.80	16	+0	0		3	2	2
FREEHOLD		73.4	52.1	62.8	- 3.7	88	12	32	24	118	0	0	1	0	4.80	- 1.02	1.67	29	+0	0		6	5	2
GLASSBORO		73.4	52.3	62.9	- 4.9	88	13*	32	24	137	0	0	1	0	5.35	- .57	2.27	16	+0	0		5	3	2
HAMMONTON 2 NNE		73.7	51.8	62.8	- 4.9	89	13	34	24	134	0	0	0	0	4.34	- .57	1.33	17	+0	0		7	3	2
HIGHTSTOWN 1 N		73.2	50.5	61.9	- 4.3	88	12	31	25*	139	0	0	2	0	5.99	- 2.00	1.85	29	+0	0		7	4	2
INOIAN MILLS 2 W		73.5	49.4	61.5	- 4.8	87	12	29	25*	147	0	0	2	0	4.93	- 1.33	1.84	16	+0	0		5	3	3
MILLVILLE		74.2	52.7M	63.5M	- 4.2	88	13	35	24	119	0	0	0	0	3.36	- 3.67	1.81	16	+0	0		3	2	2
MILLVILLE FAA AIRPORT		73.0	53.9	63.5	- 3.0	87	12	35	25*	107	0	0	0	0	3.57	- 2.03	1.79	16	+0	0		4	2	2
MOORESTOWN		73.1	51.3	62.2	- 4.2	88	12	33	25	136	0	0	0	0	7.42	- 3.67	2.88	4	+0	0		7	3	2
NEW BRUNSWICK EXP STA		74.8	52.1	63.5	- 3.0	87	12	34	25	113	0	0	0	0	6.09	- 2.03	2.23	29	+0	0		7	3	2
NEW MONMOUTH		74.7	53.1	63.9	- 4.8	88	13*	34	25	101	0	0	0	0	6.47	- 3.33	3.33	13	+0	0		7	2	2
PEMBERTON 3 E		73.4	50.3	61.9	- 5.5	86	12	30	25	135	0	0	1	0	6.04	- 2.27	1.84	4	+0	0		6	4	3
SEABROOK FARMS		75.0	52.1	63.6	- 4.4	89	12	35	24	117	0	0	0	0	3.69	- .25	1.96	16	+0	0		6	2	2
SHILOH		74.5	51.8	63.2	- 4.5	85	12	31	25	111	0	0	2	0	4.59	- .92	1.47	16	+0	0		4	3	3
TOMS RIVER		71.9	53.3	62.6	- 4.5	86	12	37	24	134	0	0	0	0	4.42	- .92	2.10	29	+0	0		7	3	1
TRENTON WB CITY	R																							
TUCKERTON		73.6	53.3	63.5	- 4.2	84	20	32	25	102	0	0	1	0	3.31	- 5.25	2.10	16	+0	0		5	2	1
WOODSTOWN		75.5	51.7	63.6	- 3.9	88	12	32	24	101	0	0	1	0	5.25	- 1.96	1.96	29	+0	0		6	4	2
DIVISION 02				63.1	- 3.9									5.04	- 1.25			+0						
COASTAL																								
ATLANTIC CITY	R	68.9	56.6	62.8	- 5.6	80	28	42	25*	112	0	0	0	0	3.12	- .28	1.52	16	+0	0		4	2	2
CAPE MAY 3 W		73.6M	57.6M	65.6M	- 3.9	86	1	42	24	77	0	0	0	0	4.68	- 1.63	1.63	16	+0	0		5	4	2
LONG BRANCH	R	70.5	54.0	62.3	- 3.9	84	12	38	25	119	0	0	0	0	5.55	- 1.63	1.54	29	+0	0		10	4	2
DIVISION 03				63.6	- 4.2									4.45	- .78			+0						

Beginning with this issue the Daily Precipitation Table, Daily Temperature Table, Snowfall and Snow on Ground Table, and Evaporation and Wind Table will be arranged by Division in the same order as the Climatological Data Table.

DAILY PRECIPITATION

NEW JERSEY
SEPTEMBER 1963

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
NORTHERN																																			
BELVIOERE	3.24				.50									.68				.14	.20	T		.06									.10	1.56	*		
BERNARDSVILLE 2 E	4.93				.78		.02	.22						1.05	.02			.08	.49	.21	.01	.03									.31	1.71	*		
BLACKWELLS MILLS	5.39				.96			.11						1.48				.16	.58	.06											.36	1.68	*		
BOONTON 1 SE	4.26			T	.19		.10	.09						.59				.12	.26	.13	T		.10								.45	2.23	*		
BOUNO BROOK 2 W	7.37				.97			.16						3.58				.11	.49	T											.73	1.33	*		
BRANCHVILLE	3.18			.01		.01								.23	.03				.63	.01			.29								1.02	.95	*		
CANISTEAR RESERVOIR	2.97			T	T			.01						.18				.02	.66	.01			.19								.48	1.42	*		
CANOE BROOK	4.43				.20		.08	.08						.83	T			.08	.55	.20		.02									.60	1.76	*		
CEGAR GROVE	4.98				.25		.14	.25						.59				.17	.28	.23			.08								1.95	1.04	*		
CHARLOTTEBURG	3.60			T	.02			.05						.62				.04	.44	.03			.21								.28	1.91	*		
CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CLINTON	8.57				1.29	.03								4.00	.02			.20	1.17	.07											1.00	.79	*		
ELIZABETH	5.04				.26		.12	T					.27	1.40		T		.18	.65	.06											2.10		*		
ELIZABETH-PORT	4.89			.01	.22		.10					1.09	.75				.25	.39	.04			.07									1.97		*		
ESSEX FIELDS SERV BLDG	3.79				.22		.07	.13						.67				.13	.15	.25											.63	1.54	*		
FLEMINGTON 1 NE	6.20				1.05			.02						2.35				.20	.55	.03	.04		.02								1.00	.94	*		
GREENWOOD LAKE	3.81			T				.05						.23				.10	.40	.43	.05		.30								.35	1.90	*		
HIGH POINT PARK	3.31							.10						.25				.60	.03				.53								.49	1.31	*		
IRVINGTON	3.51			.13	.07		.19						.50	.10				.21	.67	.03		.06									1.55		*		
JERSEY CITY	4.66			T			.69						.39	.32				.24	.91	.07		.16	.06								1.82		*		
LAMBERTVILLE	3.71				.29		T				T		.90					.61	.16	.02			.03								1.70		*		
LAYTON 2	2.65			T	.03			T					.09					.37	T		T		.43	T							.50	1.23	*		
LITTLE FALLS	4.21			T	.16		.07	.14					.63					.17	.23	.15		.16									.74	1.76	*		
LONG VALLEY	3.67				.35			.05					.64					.09	.54	.05		.02									.55	1.38	*		
MANHAWA	3.42							.16					.46					.11	.10	.04	.01	.33									.64	1.57	*		
MANVILLE	6.29				1.00			.10						3.05				.13	.42	.04	T											.50	1.05	*	
MIDLAND PARK	4.09						.19						.06	.52				.16	.33	.02		.14	.02								2.65		*		
MILTON	3.13							.12						.40				.31	.04			.29										.59	1.38	*	
MORRIS PLAINS 1 W	4.07			T	.15	T	.07	.23					.53			T		.09	.40	.12	T		.06									.60	1.82	*	
NEWARK WB AIRPORT	3.94			.03	.12		.24						.60	.14		T		.17	.66	.02		.03	T								1.93		*		
NEW MILFORD	4.02				.02		.22							.50				.10	.02	.08		.05	.01									3.02		*	
NEWTON	3.55			.02	.02			T						.21				.06	1.07	.03		.13									.16	1.85	*		
OAK RIDGE RESERVOIR	3.53			.03				.09						.47				.07	.39	.04		.32										.24	1.88	*	
OLDWICK	7.76				1.11	T	.07							2.83		.01		.23	.90	.34		.07										.85	1.35	*	
ORANGE	4.84				.20		.30			.20				.42				.24	.42	.16												2.90		*	
PATERSON	4.57				.08		.12	.35						.67				.14	.22	.12	.03	.11										.98	1.75	*	
PHILLIPSBURG	6.23				1.35								2.45	.52				.60														1.83		*	
PHILLIPSBURG BRIDGE	5.61				1.39									2.05				.29	.43		.02	.05										1.38		*	
PLAINFIELD	6.70				.50		.11						T	3.22				.18	.50	.01		.02		.02		.02						2.14		*	
RAHWAY	6.05			.01	.37		.10						2.30	.43				.36	.29	.07		.03	.04									2.05		*	
RINGWOOD	2.38			T	T			T						.17				.10	.10	.03			.28									.96	.74	*	
SOMERVILLE	7.66				1.02		.35							3.63				.38	.28	T												2.00		*	
SPLIT ROCK POND	4.09				.04		.07	.12						.75				.07	.26	.33			.20											*	
SUSSEX	2.92			.05	.03			T	T					.17				T	.29	T	.11		.45									.32	1.48	*	
WANAGUE RAYMOND DAM	3.27			T				T						.41				.14	.24	.06	.05		.20									.62	1.60	*	
WERTSVILLE	5.17				.51		T	.24	T					1.41	T			.23	.80	.07		T	T									1.64	.27	*	
WEST WHARTON	4.04				.14		.03	.04						.62				T	.53	.21	.03	T	.16									.20	2.08	*	
WOODCLIFF LAKE	4.31						.35						.08	.58				.18	.17			.16	.02									2.77		*	
SOUTHERN																																			
ATLANTIC CITY WB AP	4.35			.01	.79	T	T							.05		.03		1.91	.09	.21			.02									1.24		*	
AUDUBON	6.95			2.00	.35									T				.06	1.87	.07	.14		.13	.08								2.25		*	
BASS RIVER ST FOREST	4.73				.39			.03						.07				.26	.61														1.30	1.23	*
BELLEPLAIN ST FOREST	4.40													T				.09	1.80	.70	.18	.01		.30								2.02		*	
BURLINGTON	6.83				2.10	.10	1.17											1.12	.11	.09		.10	.02											*	
CANTON	4.64																	1.25	1.51	.06	.28											1.02	.52	*	
CHATSWORTH	3.60							.05										1.80	.07	.22	.02		.04									1.40		*	
FORTESCUE	3.35																	.70	1.10													1.40	.15	*	
FREEMOHL	4.80				.55	.06	.05							.69				.53	.07	.17		1.01										1.67		*	
GLASSBORO	5.35			.12	.63		.06							.02				2.27	.07	.49	.03	.04										1.62		*	
HAMMONTON 2 NNE	4.34				.83		.06	.12							.01			.23	1.33	.18	.07	.01		.70	.01	T						1.11	.39	*	
HIGHTSTOWN 1 N	5.99				.49	.05	.14							1.75		T		.84	.06	.10	T			.01	T							1.85		*	
INDIAN HILLS 2 W	4.93				1.03		.18							T		T		1.84	.08	.35		.01	T												

DAILY TEMPERATURES

NEW JERSEY
SEPTEMBER 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN																																	
BELVIOERE	MAX	78	75	78	81	74	64	63	75	78	82	78	76	82	62	64	67	65	67	75	82	75	63	62	57	60	65	73	80	74	60	71.2	
	MIN	46	44	44	58	53	48	48	48	50	52	44	44	49	39	38	39	50	56	59	57	50	39	38	28	29	32	37	44	49	41	45.1	
BOONTON 1 SE	MAX	79	76	79	82	74	64	61	77	79	83	79	76	82	61	64	65	65	67	72	82	75	67	63	56	63	67	73	79	76	59	71.5	
	MIN	53	43	47	61	55	50	42	48	54	54	44	46	47	42	41	45	52	58	57	57	49	41	41	32	29	30	37	55	54	46	47.0	
CANOE BROOK	MAX	83	80	83	86	77	64	58	80	81	86	81	76	87	62	63	62	63	66	72	85	79	67	64	56	62	69	76	80	84	64	73.2	
	MIN	45	44	52	61	57	49	45	52	53	52	45	50	47	38	35	51	53	57	55	58	52	37	34	28	30	36	39	46	50	40	46.4	
CHARLOTTEBURG	MAX	78	76	80	81	72	64	59	79	80	84	79	75	82	59	64	65	64	65	72	84	70	62	63	55	63	67	75	80	74	56	70.9	
	MIN	46	43	54	54	53	50	41	47	51	53	42	52	45	37	39	42	49	55	57	59	46	39	34	29	29	30	40	46	53	41	45.2	
ELIZABETH	MAX	72	85	80	80	73	64	80	84	88	85	78	87	82	65	66	64	67	71	87	80	69	69	63	68	70	75	83	81	70	70	75.5	
	MIN	52	50	64	70	59	51	49	56	56	59	53	64	49	48	48	53	58	61	59	62	55	45	43	35	36	40	50	54	55	42	52.5	
ESSEX FIELDS SERV BLDG	MAX	81	80	83	84	76	65	57	80	80	85	82	76	85	62	65	63	64	65	70	76	70	65	65	56	63	68	75	82	77	60	72.2	
	MIN	46	45	48	63	56	50	46	52	55	55	45	47	45	38	42	50	52	57	58	60	50	39	34	30	32	34	39	43	55	40	46.9	
FLEMINGTON 1 NE	MAX	84	81	89	87	76	68	62	83	85	87	82	82	87	65	67	67	60	67	75	84	84	70	66	60	66	70	77	83	80	62	75.2	
	MIN	45	41	50	59	58	50	44	45	54	52	42	42	52	42	42	45	52	54	55	57	54	43	36	27	27	30	36	46	51	39	45.7	
HIGH POINT PARK	MAX	73	75	78	77	70	59	55	77	80	80	75	78	77	59	59	61	64	67	73	82	64	54	58	58	56	66	75	78	70	62	68.7	
	MIN	45	49	55	60	47	46	46	49	58	52	47	50	45	37	39	40	47	54	54	54	46	34	32	28	30	42	44	52	45	38	45.5	
JERSEY CITY	MAX	79	77	78	78	65	58	76	75	74	83	69	85	69	62	62	65	65	70	85	77	65	65	57	63	63	67	82	77	66	66	71.0	
	MIN	56	56	65	64	58	53	54	61	61	61	55	66	49	47	55	52	58	61	61	57	51	46	43	38	45	47	55	62	54	44	54.5	
LAMBERTVILLE	MAX	81	84	86	80	72	63	80	82	86	84	82	87	85	66	65	62	67	75	86	83	78	66	62	65	70	76	84	81	74	69	76.0	
	MIN	47	45	59	68	60	50	47	52	56	53	44	66	51	42	42	53	57	62	57	60	55	40	37	29	24	39	46	50	58	39	49.9	
LAYTON 2	MAX	76	76	79	77	74	65	61	77	81	84	78	79	82	66	66	67	69	66	76	85	67	60	63	59	64	69	78	83	74	57	71.9	
	MIN	43	42	44	57	53	45	45	48	52	51	42	45	49	35	35	39	51	56	56	56	51	35	34	27	29	31	35	43	50	36	43.8	
LITTLE FALLS	MAX	83	81	85	85	79	66	63	81	84	88	83	78	86	63	68	66	67	68	72	88	77	66	66	58	66	70	76	84	78	60	74.5	
	MIN	49	47	57	67	57	51	47	53	55	56	47	57	47	43	44	52	54	58	58	62	51	42	40	32	33	37	42	52	55	42	49.6	
LONG VALLEY	MAX	79	76	79	80	76	64	59	76	80	83	80	77	83	62	64	66	63	68	75	82	78	67	64	58	63	66	74	80	76	68	72.2	
	MIN	47	39	54	65	56	46	44	44	50	49	40	40	49	35	35	50	50	57	55	54	49	39	35	25	27	26	31	41	54	38	44.1	
MORRIS PLAINS 1 W	MAX	80	79	82	82	75	64	58	79	80	85	81	76	85	65	66	64	65	66	75	84	76	66	64	57	65	68	75	84	79	59	72.5	
	MIN	46	43	54	60	56	49	44	51	52	54	44	56	47	43	42	47	52	58	59	61	50	43	40	37	30	34	38	53	54	42	48.0	
NEWARK WB AIRPORT	MAX	81	83	84	78	66	59	80	80	88	83	73	88	67	63	64	65	67	72	86	78	66	66	58	62	67	75	83	80	67	67	73.2	
	MIN	57	56	65	64	58	52	51	60	60	63	58	67	49	48	48	54	59	61	64	57	55	48	46	42	47	46	54	58	54	47	54.8	
NEWTON	MAX	77	76	82	82	72	66	69	80	84	85	79	80	83	61	66	67	68	66	76	85	70	63	67	57	63	69	76	82	75	72	73.3	
	MIN	40	39	48	62	48	43	43	48	49	48	37	49	46	32	32	41	50	57	56	60	48	30	34	24	26	31	33	47	47	39	42.9	
PATERSON	MAX	84	80	83	85	78	67	63	82	82	88	83	78	85	62	63	65	66	68	71	85	77	66	58	61	70	76	85	78	59	73.8		
	MIN	55	52	58	67	57	51	48	54	58	60	59	59	47	45	45	50	54	59	62	65	52	46	43	36	39	43	43	55	55	44	52.0	
PHILLIPSBURG	MAX	81	82	88	86	76	66	80	83	85	85	81	85	86	67	67	67	70	79	84	84	74	65	66	64	69	76	83	80	67	69	76.5	
	MIN	46	49	52	66	55	49	47	51	54	52	44	61	51	40	37	34	51	60	59	58	51	40	37	31	32	36	42	48	54	39	47.5	
PLAINFIELD	MAX	81	86	85	78	67	60	81	82	88	85	78	87	66	66	67	61	66	71	86	81	69	68	60	65	70	76	84	80	67	69	74.3	
	MIN	49	46	60	67	58	51	47	54	56	55	49	63	47	46	47	53	55	61	60	60	54	43	42	35	33	38	49	52	57	40	50.9	
SOMERVILLE	MAX	82	86	86	80	67	65	60	82	87	83	79	87	81	66	67	62	69	75	85	80	71	67	59	64	68	75	82	79	72	67	75.1	
	MIN	48	45	61	67	58	52	46	52	55	55	48	66	51	45	45	53	57	62	68	60	52	42	39	32	32	37	47	50	57	39	50.7	
SUSSEX	MAX	74	74	81	81	73	67	57	80	83	82	75	79	83	62	65	70	68	69	77	83	76	60	61	57	62	70	77	83	73	57	72.0	
	MIN	47	43	43	57	50	51	47	47	51	53	41	42	46	36	36	41	52	52	56	56	48	36	39	27	27	29	36	43	50	41	44.1	
SOUTHERN																																	
ATLANTIC CITY WB AP	MAX	79	82	81	80	69	61	76	76	85	82	77	82	72	64	64	60	64	66	83	86	65	67	58	62	67	74	82	82	70	67	72.8	
	MIN	56	54	64	68	59	54	50	54	56	61	54	68	51	54	57	55	58	62	62	65	58	47	44	36	38	43	54	60	59	47	54.9	
AUGUBON	MAX	82	84	87	80	69	65	80	82	86	83																						

DAILY TEMPERATURES

NEW JERSEY
SEPTEMBER 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SEABROOK FARMS	MAX MIN																																
SHILOH	MAX MIN	81 52	86 51	83 64	81 67	79 49	65 50	78 47	78 53	85 51	84 58	81 52	89 67	84 50	63 46	60 50	57 52	64 54	66 60	82 60	84 61	81 56	65 43	64 42	63 35	66 38	74 40	81 52	82 60	77 58	67 45		75.0 52.1
TOMS RIVER	MAX MIN	84 47	82 42	83 59	82 65	76 61	63 54	78 47	78 50	83 51	81 53	78 54	85 65	84 48	63 52	62 56	63 55	63 56	65 62	82 64	84 59	78 58	65 45	66 41	58 32	65 31	74 34	83 51	83 55	75 59	70 49		74.5 51.8
TRENTON WB CITY	MAX MIN	78 56	83 54	83 65	75 63	63 56	58 50	78 52	80 59	84 59	80 60	77 54	86 66	68 50	62 46	61 48	60 52	65 58	69 62	84 60	83 56	62 54	63 44	56 42	61 37	67 40	74 44	83 54	80 58	68 56	66 45		71.9 53.3
TUCKERTON	MAX MIN	83 50	79 52	80 58	80 67	75 61	65 54	74 47	75 48	80 52	80 57	75 52	82 68	76 50	63 55	62 56	61 57	64 57	67 61	83 62	84 63	79 59	68 46	62 39	58 35	63 32	75 40	81 48	80 58	78 60	77 55		73.6 53.3
WOOSTOWN	MAX MIN	79 49	82 47	85 65	80 65	74 61	65 54	78 47	82 52	86 52	85 54	82 51	88 57	87 54	64 50	61 50	60 55	66 55	67 62	84 63	84 59	78 56	66 45	66 42	65 32	69 35	74 39	81 49	82 52	76 54	68 45		75.5 51.7
COASTAL																																	
ATLANTIC CITY	MAX MIN	77 58	75 58	74 68	77 68	68 60	55 55	68 54	72 58	77 60	78 62	72 59	74 68	70 51	60 57	61 57	59 55	62 58	64 61	76 62	79 63	63 58	65 49	58 44	57 42	61 42	66 49	78 56	80 60	69 60	67 47		68.9 56.6
CAPE MAY 3 W	MAX MIN	86 61	80 65	79 68	80 70	79 65	68 56	74 50	72 60	78 56	81 65	78 57	78 68	75 53	63 54	64 57	63 56	65 57		78 61	84 64	78 62	66 50	68 50	61 42	65 43	70 45	76 60	79 62	78 60	69 52		73.6 57.6
LONG BRANCH	MAX MIN	78 55	77 50	80 64	77 63	64 57	61 53	77 50	77 55	78 56	78 58	71 59	84 67	67 48	62 53	61 54	63 54	63 59	67 62	83 61	77 58	62 56	64 50	56 47	59 40	62 38	74 42	81 53	77 55	70 57	65 47		70.5 54.0

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN																																	
CANOE BROOK	EVAP WIND MAX MIN	.17 35 86 51	.25 17 84 55	.16 14 86 56	.14 42 82 63	.20 51 79 57	.12 67 65 53	.03 22 59 51	.02 15 84 52	.23 17 85 61	.14 12 88 61	.20 23 84 56	.15 46 81 56	.26 65 83 56	.15 46 68 47	" 42 64 45	" 60 66 47	.08 36 60 53	.01 45 64 57	.04 14 69 61	.15 37 86 61	.04 11 82 56	.11 25 75 50	.20 38 75 45	.16 10 63 39	.10 12 67 41	.12 19 70 45	.11 25 76 45	.14 19 78 43	.17 22 81 54	" 46 81 47		4.068 1003 75.0 51.9
SOUTHERN																																	
PEMBERTON 3 E	EVAP WIND	.13 15	.19 6	.09 18	.15 12	.13 50	.09 25	.10 7	.10 6	.10 5	.08 2	.11 14	.16 30	.14 32	.13 27	" 33	" 14	.06 7	" 7	.08 11	.10 7	.14 12	.08 16	.10 "	.04 25	.08 6	.08 12	.09 11	.12 13	.10 45	.11 41		2.988 509

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

DAILY SOIL TEMPERATURES

NEW JERSEY
SEPTEMBER 1963

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NEW BRUNSWICK EXP STATION																																	
PLOT # 1																																	
1 INCH	MAX	83	82	78	75	67	67	75	74	76	75	72	79	76	71	68	66	68	72	79	78	73	73	68	69	69	70	73	74	68	69	72.9	
	MIN	64	62	67	66	67	60	56	59	60	60	58	62	66	63	62	64	65	67	67	69	66	63	59	57	57	58	61	63	64	61	62.3	
2 INCHES	MAX	80	78	75	73	67	66	72	70	72	71	69	78	74	70	68	66	68	71	77	76	72	72	67	67	68	68	71	72	67	68	71.1	
	MIN	66	63	67	67	63	61	57	62	61	61	59	62	66	64	63	64	65	67	67	69	67	64	60	58	58	58	62	63	64	61	63.0	
4 INCHES	MAX	74	72	72	70	68	65	66	66	66	66	64	75	72	69	67	66	67	70	73	74	70	69	66	65	66	66	68	70	67	66	68.5	
	MIN	68	66	68	68	65	62	59	60	62	63	61	62	68	65	64	65	65	67	68	69	68	65	62	60	60	60	63	64	65	63	64.2	
8 INCHES	MAX	71	70	70	70	69	66	62	65	68	65	64	74	72	69	67	67	67	69	71	72	71	69	67	67	65	64	65	68	68	66	67.9	
	MIN	70	67	67	69	66	64	62	63	61	61	60	62	69	67	66	66	66	67	68	70	69	67	64	62	62	64	65	66	64	65	65.2	
16 INCHES	MAX	71	70	69	68	69	68	66	65	65	65	66	74	71	70	69	68	67	68	69	70	69	68	66	65	65	65	65	67	67	66	67.9	
	MIN	67	64	65	66	68	67	63	62	56	57	57	62	70	69	68	67	67	67	68	69	69	68	66	65	64	64	65	65	66	65	65.2	
32 INCHES	MAX	69	69	67	65	68	68	67	64	63	62	64	71	70	70	69	69	68	68	68	68	68	68	68	67	67	66	66	66	67	66	67.2	
	MIN	66	63	63	64	65	67	63	60	55	55	56	60	70	69	69	68	67	68	68	68	68	68	67	67	66	66	65	65	66	66	65.0	
PLOT # 2																																	
1 INCH	MAX	96	98	91	75	67	63	82	88	92	90	87	91	73	73	69	64	68	74	83	85	74	75	71	76	80	81	86	85	70	70	79.2	
	MIN	60	58	68	58	57	53	48	54	55	55	52	61	57	53	54	59	63	66	65	65	60	53	50	45	47	50	57	60	60	51	56.5	
2 INCHES	MAX	93	94	89	74	66	62	79	83	88	87	82	89	72	72	68	64	68	73	82	83	73	73	69	74	77	79	84	83	69	69	77.3	
	MIN	62	59	68	60	57	54	49	55	56	57	54	61	57	54	55	60	63	66	65	66	61	54	51	46	48	51	58	61	60	52	57.4	
4 INCHES	MAX	87	87	84	72	65	62	74	77	81	80	76	85	72	69	66	64	67	72	79	80	71	70	67	70	73	75	79	79	69	68	74.0	
	MIN	65	63	69	62	59	56	52	57	58	60	58	62	60	57	57	61	63	66	66	67	63	57	54	50	51	54	60	62	62	55	59.6	
8 INCHES	MAX	78	77	76	71	66	64	65	68	68	69	68	79	71	67	66	65	66	69	74	74	69	68	64	65	67	68	72	72	67	66	69.3	
	MIN	70	68	71	68	64	61	57	60	62	64	64	63	66	63	61	63	64	66	67	68	66	62	60	56	57	58	62	64	65	60	60	

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	1:00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	N	13	10.5	29++	55W	29	84	85	59	75	2	5	1	1	2	0	11	54	5.5
ATLANTIC CITY ST MARINA	-	-	14.9	40++	55W	29	-	-	-	-	0	3	2	0	2	0	7	-	-
LONG BRANCH	NE	11	11.1	46	5	29	-	78	58	64	1	1	6	2	2	0	12	58	4.8
NEWARK WB AIRPORT	NNE	25	11.3	29++	NNW	30+	75	79	51	61	2	3	4	2	1	0	12	-	5.5
TRENTON WB CITY	N*	-	8.4	29	5*	29	-	-	-	-	4	2	4	2	0	1	13	58	5.5

* TO 8 COMPASS POINTS ONLY

STATION INDEX

NEW JERSEY
1963

STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER								
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL									
ATLANTALED	BERGEN	0100	8	41 02	74 08	270					C	BERGEN COUNTY ENGINEERS	HILTON	5597	MORRIS	8	41 01	74 32	950					JERSEY CITY WATER WKS.							
ATLANTIC CITY WB AP	ATLANTIC	0311	1	39 27	74 35	58	MID	HIO			C HJ	U.S. WEATHER BUREAU	MOORESTOWN	5728	BURLINGTON	2	39 58	74 58	55	MID	8A			H. J. WILLARD							
ATLANTIC CITY	ATLANTIC	0325	1	39 23	74 26	11	MID	HIO			H	STATE MARINA	MORRIS PLAINS 1 W	5769	MORRIS	8	40 50	74 30	400					H. JOSEPH H. GARRIS, 111							
AUDUBON	AUDUBON	0344	2	39 31	75 04	50	11P				H	IRVING J. NYGREN	NEWARK WB AIRPORT	6026	ESSEX	1	40 42	74 10	11	MID	HIO			C HJ	U.S. WEATHER BUREAU						
BASS RIVER ST FOREST	BURLINGTON	0528	1	39 37	74 26	20		9A			H	M.J. FORESTRY SERVICE	NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10	40 28	74 26	86	SP				H	ARTHUR H. AHLQUIST						
BELLEPLAIN STA FOREST	CAPE MAY	0690	1	39 15	74 52	30	SP	5P				BELLEPLAIN STATE FOREST	NEW MILFORD	6146	BERGEN	4	40 57	74 02	12					C	HACKENSACK WATER CO.						
BEHAR 2 SW	MONMOUTH	0721	1	40 09	74 04	40		7A				WALTER J. SCHMACK	NEW MONMOUTH	6154	MONMOUTH	1	40 25	74 06	30	4P					C	ST. MARYS SCHOOL					
BEVILDE	WARREN	0729	2	40 40	75 05	275	7A				H	CLARENCE HART	NEWARK WB AIRPORT	6177	SUSSEX	2	40 03	74 15	365	8A					C H	HEWTON WTR. & SBR.-COMM.					
BERNARDSVILLE 2 E	SOMERSET	0767	8	40 43	74 32	240		7A				BERNARDS WATER COMPANY	OAK RIDGE RESERVOIR	6460	PASSAIC	8	41 02	74 30	870						C	HEWARK WATER DEPT.					
BLACKWELLS MILLS	SOMERSET	0847	10	40 29	74 35	27		7A				HENRY M. MILLER	OWICK	6544	HUNTERDON	10	40 40	74 45	280							C	DAN A. COUGHLIN				
BOONTON 1 SE	MORRIS	0907	8	40 54	74 24	280	8A					JERSEY CITY WATER WORKS	ORANGE	6560	ESSEX	8	40 47	74 13	160							C	ESSEX COUNTY ENGINEER				
BOUND BROOK 2 W	SOMERSET	0927	10	40 33	74 34	280						AMERICAN CYANAMID CO.	PATERSON	6775	PASSAIC	8	40 54	74 09	100	8A							C	P. J. DEL VECCHIO			
BRANCHVILLE	SUSSEX	0978	15	41 02	74 52	180	7A					ALBERT H. GAVENPORT	PEMBERTON 3 E	6843	BURLINGTON	2	39 58	74 38	80	5P	SP						C	PHILIP E. HARUCKI			
BURLINGTON	BURLINGTON	1211	2	40 05	74 52	12	6P					PUBLIC SERVICE OF N. J.	PHILLIPSBURG	6974	WARREN	2	40 41	75 12	182	3P							C	SEWAGE DISPOSAL PLANT			
CAMISTEAR RESERVOIR	SUSSEX	1327	8	41 07	74 30	1040	8A					HEWARK WATER DEPARTMENT	PHILLIPSBURG BRIDGE	6979	WARREN	2	40 42	75 12	200	7A							C	JOINT TOLL BRIDGE COMM.			
CANOE BROOK	ESSEX	1335	8	40 45	74 21	180	8A	9A				COMMONWEALTH WATER CO.	PLAINFIELD	7079	UNION	10	40 36	74 25	720	8P							C	MRS VIVIAN SCHERER			
CANTON	SALEM	1343	2	39 28	75 25	20		9A				GERTRUDE S. WILLIS	PRINCETON WATER WORKS	7328	MERCER	10	40 20	74 40	60									C	PRINCETON WATER CO.		
CAPE MAY 3 W	CAPE MAY	1351	1	38 57	74 58	10	SP	5P				M. WEST MAGNETIC CO.	RAHWAY	7393	UNION	9	40 36	74 16	20									C	RAHWAY VLY. SWG. AUTH.		
CEAR GROVE	SALEM	1472	8	40 52	74 13	400	8A					J. A. PLUNKET	RINGWOOD	7587	PASSAIC	8	41 08	74 16	105	10A								C	NO. JERSEY WTR. SUPPLY		
CENTERTON	SALEM	1512	6	39 31	75 10	80						C. JOHN MORRIS UNIT	SHILON	8051	CUMBERLAND	2	39 28	75 18	120	5P								C	EVERETT QUICKINS		
CHARLOTTEBURG	PASSAIC	1582	8	41 02	74 26	760	7A				H	HEWARK WATER DEPT.	SOMERVILLE	8194	SOMERSET	10	40 35	74 37	90	6P								C	M. E. MAVER		
CHATHAM	MORRIS	1590	4	40 44	74 23	185	8A					EDWARD P. HOLTER	SPLIT ROCK POND	8402	MORRIS	8	40 58	74 28	800									C	JERSEY CITY G. P. W.		
CHATSORTH	BURLINGTON	1598	1	39 49	74 32	100	SP	5P				EARL M. KERSHNER	SPRINGFIELD	8423	UNION	1	40 43	74 18	90									C	UNION COUNTY ENGINEER		
CLAYTON	GLOUCESTER	1708	6	39 39	75 08	120	6P					C. BOURGESS ESSEX FLEET	WAKOUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320	8A								C	BRICE B. STANTON		
CLINTON	HUNTERDON	1749	10	40 38	74 55	200	8A					CLOSED 6-4-63	WATKINS	9271	UNION	8	40 40	74 25	800									C	TOMS RIVER WATER CO.		
ELIZABETH	UNION	2844	1	40 40	74 14	40	SP	5P				ANDREW F. DROPP	TOMS RIVER	9816	OCEAN	1	39 57	74 13	10									C			
ELIZABETHPORT	UNION	2852	1	40 38	74 12	10		HIO				SEWAGE TREATMENT PLANT	TRENTON WB CITY	8883	MERCER	2	40 13	74 46	56	MID	HIO							C	U.S. WEATHER BUREAU		
ESSEX FELS SERV BLDG	ESSEX	2768	8	40 50	74 17	240	8A					C. BOURGESS ESSEX FLEET	TUCKERTON	8899	OCEAN	1	39 36	74 20	10	6P								C	SCOTT MATHEIS		
FLEMINGTON 1 NE	GLOUCESTER	2872	6	39 38	74 51	100	8A					C. BOURGESS ESSEX FLEET	WAKOUE RAYMOND DAM	9187	PASSAIC	8	41 03	74 18	320	8A								C	WATER SUPPLY COMM.		
FORTESCUE	CUMBERLAND	3102	2	39 14	75 10	5		7A				C. BOURGESS ESSEX FLEET	WATKINS	9271	UNION	8	40 40	74 25	800									C	UNION COUNTY ENGINEER		
FRECHOLD	MONMOUTH	3181	10	40 15	74 17	194	6P				C H	FRANK J. MOREAU	WEST WHARTON	9608	MORRIS	8	40 54	74 36	680	7A								C	ROBERT M. HANNERS		
GLASSBORO	GLOUCESTER	3297	2	39 42	75 07	135	8A					C. GLASSBORO STATE COLLEGE	WOODCLIFF LAKE	9832	BERGEN	4	41 01	74 03	103									C	N.J. POWER & LIGHT CO.		
GREENWOOD LAKE	PASSAIC	3516	8	41 09	74 20	600	7A					GEORGE T. WIGGINS	WOODSTOWN	9910	SALEM	2	39 39	75 19	50	5P								C	HACKENSACK WATER CO.		
HACKENSACK	BERGEN	3682	4	40 53	74 03	10		8A				C. BERGEN COUNTY ENGINEERS	NEW STATION															C	CREAM VALLEY DAIRY		
HAMMONTON 2 HNE	ATLANTIC	3682	7	39 39	74 48	85	8A					W. HUBBARD PARKHURST	NEW STATION																C		
HIGH POINT PARK	SUSSEX	3935	2	41 18	74 40	1570	8A					N. J. DEPT. OF CON.	NEW STATION																C		
HIGHTSTOWN 1 W	MERCER	3957	10	40 17	74 31	100	6P				C H	JAMES R. PICKERING	RUTGERS MICRO-MET STA	7831	MIDDLESEX	10	40 29	74 26	125									C	RUTGERS, THE STATE UNIV.		
INDIAN HILLS 2 N	BURLINGTON	4240	1	39 48	74 47	190	7P					H. EDWARD DENTIST	SEABROOK FARMS	7936	CUMBERLAND	2	39 30	75 14	90	8A	BA	BA							C	SEABROOK FARMS CO.	
IRVINGTON	ESSEX	4240	1	40 43	74 15	90		HIO				C. JAMES R. PICKERING	NEW STATION																C		
JERSEY CITY	HUDSON	4339	1	40 44	74 03	135	MID	HIO				C. JAMES R. PICKERING	NEW STATION																C		
LAMBERTVILLE	HUNTERDON	4635	2	40 22	74 57	75	6P				H	E. E. CASE	CLOSED STATION																C		
LAURELTON 1 E	OCEAN	4700	1	40 04	74 07	20		HIO			C H	PUBLICATION ENDOE 8/62.	CLAYTON	1708	GLOUCESTER	6	39 39	75 06	120	6P	6P									C	
LAYTON 2	SUSSEX	4736	2	41 15	74 52	980	7A				C H	CHARLES KOONS																	C		
LITTLE FALLS	PASSAIC	4887	8	40 53	74 10	150	9A				C HJ	PASSAIC VLY. WTR. COMM.																	C		
LONG BRANCH	MONMOUTH	4987	10	40 18	74 00	20		HIO			C HJ	WILLIAM G. MARTIN JR.																	C		
LONG VALLEY	MORRIS	5003	10	40 47	74 47	530	5P	7A			H	MISS PEARL HINSHAM																	C		
LUMBERTON	BURLINGTON	5055	2	39 58	74 48	25					C	JAMES LANTON																	C		
MACOPIN INTAKE	PASSAIC	5071	8	41 01	74 24	584						INACTIVE T/61																	C		
MAHAW	BERGEN	5704	8	41 06	74 10	253	7A					ROBERT G. GLASSGOW																	C		
MANVILLE	SOMERSET	5767	10	40 33	74 34	50	8A					JOHN L. RADCLIFFE																	C		
MARLBORO SCS	MONMOUTH	5244	1	40 20	74 14	120					C	GEROW BRILL																	C		
MAYS LANDING	ATLANTIC	5346	3	39 27	74 44	10		9A			H	COUNTY EXTENSION SVC.																	C		
MIDLAND PARK	BERGEN	5503	8	40 59	74 09	210					C H	RIDGEWOOD WATER CO.																	C		
MILLVILLE	CUMBERLAND	5576	6	39 24	75 03	60	8A				C H	L. J. GALLAHER																	C		
MILLVILLE FAA AIRPORT	CUMBERLAND	5581	6	39 22	75 04	70	MID	HIO			H	FED. AVIATION AGENCY																	C		

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULTICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 35W, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

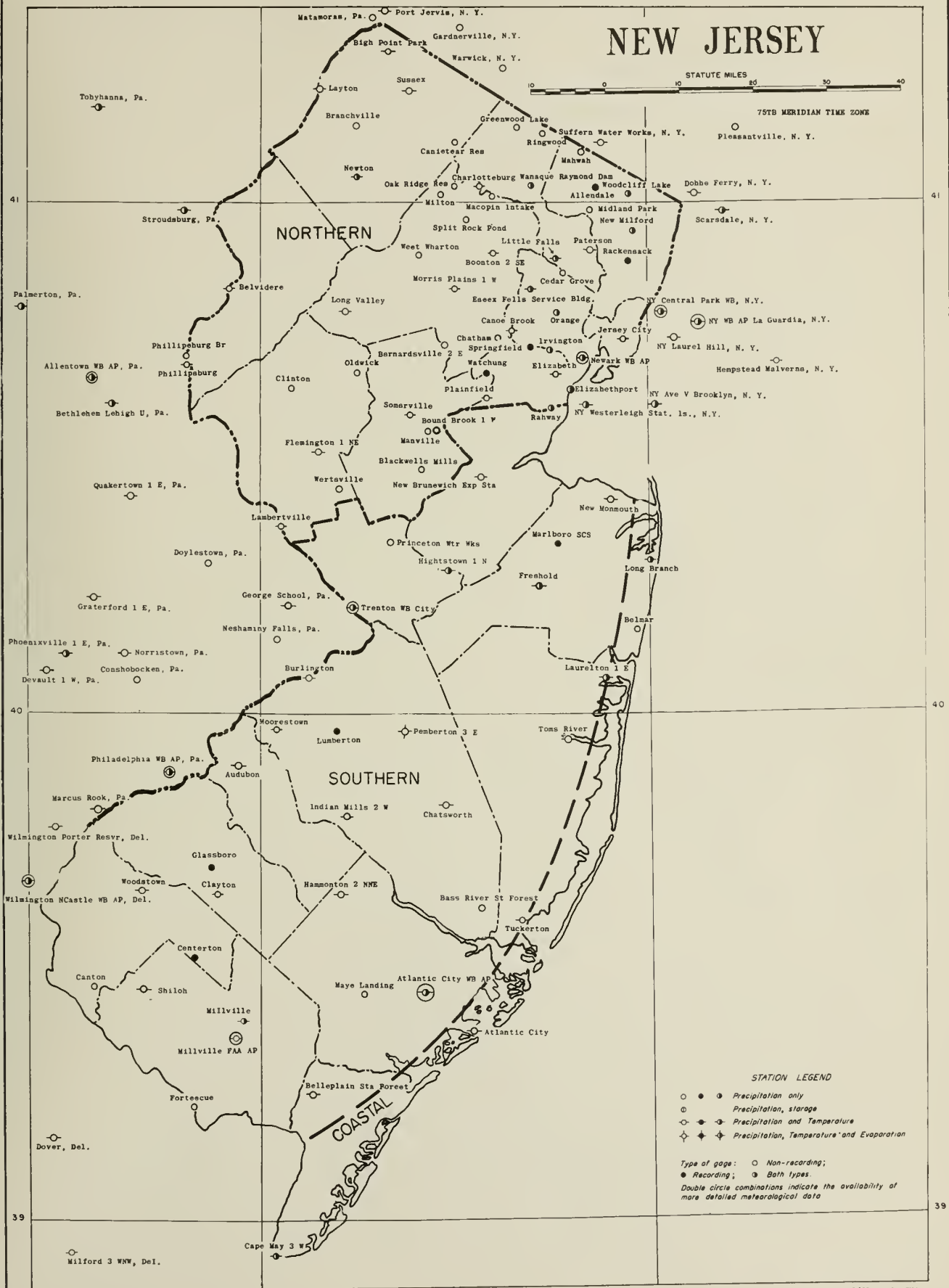
Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, R, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

NEW JERSEY



1.05
NJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

OCTOBER 1963
Volume 68 No. 10



ASHEVILLE: 1964

ONE LIBRARY OF ...
JAN 20 1964
UNIVERSITY OF ...

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 91° on the 8th at Layton 2

Lowest Temperature: 26° on the 31st at Layton 2

Greatest Total Precipitation: 1.97 inches at Sussex

Least Total Precipitation: Trace at Belmar 2 SW

Greatest One-Day Precipitation: 1.82 inches on the 4th at Sussex

Greatest Reported Total Snowfall: Trace at High Point Park

SPECIAL WEATHER SUMMARY

October was an exceedingly dry month throughout the State. Trenton reported a total of 0.05 inch of rain for the month, which is the lowest monthly amount since records were begun at this station in 1865. Several stations reported no measurable rain for the month. The northern counties averaged about 1/3 inch of rain for the month, the central and southern interior about 1/4 inch, and coastal New Jersey had less than 1/10 inch of rain. Drought conditions which prevailed from April through August had been relieved somewhat by the September

rains, but the October rainfall deficiency further aggravated the drought threat, especially with October temperatures averaging well above normal.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
% General Delivery
Trenton, New Jersey

CLIMATOLOGICAL DATA

NEW JERSEY
OCTOBER 1963

Station		Temperature													Precipitation									
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
											90° or Above	37° or Below	37° or Below	37° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
NORTHERN																								
BELVIDERE		71.8	38.8	55.3	0.4	83	28	31	15*	294	0	0	2	0	.13	- 3.29	.11	04	.0	0		1	0	0
BOONTON 1 SE		71.1	40.1	55.6	2.3	82	28*	32	11*	287	0	0	2	0	.26	- 3.14	.26	28	.0	0		1	0	0
CANCE BROOK		72.6	40.2	56.4	2.7	84	28*	30	13	262	0	0	3	0	.61	- 2.80	.38	28	.0	0		2	0	0
CHARLOTTEBURG		71.5	40.0	55.8	3.5	86	8	31	5	283	0	0	4	0	.42	- 3.42	.40	28	.0	0		1	0	0
ELIZABETH		74.8	46.0	60.4	3.7	90	17	36	5	153	1	0	0	0	.41	- 3.12	.25	28	.0	0		2	0	0
ESSEX FELS SERV BLOG		71.7M	42.0M	56.9M		83	28*	31	13	258	0	0	3	0	.42		.36	28	.0	0		1	0	0
FLEMINGTON 1 NE		73.5	37.3	55.4	+ 0.4	88	20	30	6*	290	0	0	7	0	.20	- 3.12	.12	28	.0	0		1	0	0
HIGH POINT PARK		71.1	43.2	57.2		88	8	30	31*	254	0	0	3	0	.06		.05	04	T	0		0	0	0
JERSEY CITY		70.4	50.5	60.5	3.8	83	7	38	31	158	0	0	0	0	.18	- 3.00	.18	28	.0	0		1	0	0
LAMBERTVILLE		75.0	42.6	58.8	3.3	86	27*	32	13*	196	0	0	2	0	.11	- 2.89	.09	28	.0	0		0	0	0
LAYTON 2		73.5	36.5	55.0		91	8	26	31	304	1	0	10	0	.24		.18	04	.0	0		1	0	0
LITTLE FALLS		74.6	43.2	58.9	3.5	86	28	34	14*	197	0	0	0	0	.27	- 3.43	.23	28	.0	0		1	0	0
LONG VALLEY		71.6	37.7	54.7		86	8	27	31	317	0	0	6	0	.40	- 3.17	.23	04	.0	0		2	0	0
MORRIS PLAINS 1 W		73.1	41.6	57.4		85	28	32	10	237	0	0	1	0	.51		.32	28	.0	0		2	0	0
NEWARK WB AIRPORT	R	72.2	50.2	61.2	4.6	84	7	39	30	139	0	0	0	0	.21	- 2.90	.16	28	.0	0		1	0	0
NEWTON		72.3	36.5	54.4	1.9	87	7	28	14	321	0	0	6	0	.15	- 3.27	.11	28	.0	0		1	0	0
PATERSON		73.1M	47.7M	60.4M	4.3	86	8	38	30	161	0	0	0	0	.27	- 3.20	.19	28	.0	0		1	0	0
PHILLIPSBURG		76.0	42.6	59.3	4.8	86	7	32	5	181	0	0	1	0	.27	- 3.15	.20	04	.0	0		1	0	0
PLAINFIELD		73.5	44.4	59.0	3.1	85	19*	34	13*	190	0	0	0	0	.35	- 3.11	.18	28	.0	0		2	0	0
SOMERVILLE		73.2	42.8	58.0	2.7	89	27	32	31	218	0	0	1	0	.43	- 2.92	.30	28	.0	0		2	0	0
SUSSEX		74.8	39.1	57.0	3.8	86	28*	31	6*	251	0	0	3	0	1.97	- 1.31	1.82	04	.0	0		2	1	1
DIVISION 01				57.5	3.0										.37	- 3.05			T					
SOUTHERN																								
ATLANTIC CITY WB AP		72.0	47.8	59.9	2.7	83	7	38	5	170	0	0	0	0	.15	- 3.05	.10	03	.0	0		1	0	0
AUOUBON		73.4	45.6	59.5		84	27*	35	30	178	0	0	0	0	.42		.23	03	.0	0		2	0	0
BELLEPLAIN ST FOREST		73.0	41.6	57.3		84	17	29	5	237	0	0	3	0	.02	- 3.67	.02	25	.0	0		0	0	0
BURLINGTON		M	48.1M			84	24*	40	14*		0	0	0	0	.12	- 3.23	.10	03	.0	0		1	0	0
CHATSWORTH		74.0	42.3	58.2		83	17	29	14	214	0	0	1	0	.31		.21	03	.0	0		2	0	0
FREEHOLD		72.8	45.6	59.2	3.1	84	7	35	30*	185	0	0	0	0	.17	- 3.42	.10	03	.0	0		1	0	0
GLASSBORO		72.6	45.5	59.1		84	28	36	13	184	0	0	0	0	.29		.29	03	.0	0		1	0	0
HAMMONTON 2 NNE		72.6	45.2	58.9	1.7	86	8	37	5	195	0	0	0	0	.41	- 3.28	.41	04	.0	0		1	0	0
HIGHTSTOWN 1 N		71.9	44.8	58.4	2.5	84	19	33	5	208	0	0	0	0	.16	- 3.16	.12	28	.0	0		1	0	0
INDIAN HILLS 2 W		73.1	41.5	57.3	1.4	84	7	27	13	243	0	0	4	0	.22	- 3.19	.15	03	.0	0		1	0	0
MILLVILLE		72.2	44.9	58.6		83	20	36	14	200	0	0	0	0	.20		.18	03	.0	0		1	0	0
MILLVILLE FAA AIRPORT		71.4	45.4	58.4		82	19*	33	14	209	0	0	0	0	.23		.19	03	.0	0		1	0	0
MOORESTOWN		72.0	45.0	58.5	2.6	84	19	33	13	208	0	0	0	0	.44	- 2.62	.25	04	.0	0		2	0	0
NEW BRUNSWICK EXP STA		73.7	46.6	60.2	4.1	83	27*	36	14	159	0	0	0	0	.25	- 2.91	.13	04	.0	0		2	0	0
NEW MONMOUTH		73.0	46.6	59.8		83	7	35	14	169	0	0	0	0	.17		.09	03	.0	0		0	0	0
PEMBERTON 3 E		72.5	42.4	57.5	0.7	83	7	31	14*	232	0	0	2	0	.26	- 3.01	.20	03	.0	0		1	0	0
SEABROOK FARMS																								
SHILOH																								
TOMS RIVER		75.2	42.8	59.0		84	20*	29	31	197	0	0	4	0	.38		.17	04	.0	0		2	0	0
TRENTON WB CITY	R	71.7	48.5	60.1	3.3	83	27*	38	30	165	0	0	0	0	.05	- 2.79	.05	28	.0	0		0	0	0
TUCKERTON		71.7	45.5	58.6		82	27*	33	14	204	0	0	0	0	1.49		1.32	03	.0	0		2	1	1
WOODSTOWN		72.8	44.6	58.7		83	27	32	13	193	0	0	1	0	.75		.73	03	.0	0		1	1	0
DIVISION 02				58.8	2.3										.32	- 3.03			.0					
COASTAL																								
ATLANTIC CITY	R	66.6	51.0	58.8	0.1	79	17	40	31*	189	0	0	0	0	.02	- 3.37	.01	28*				0	0	0
CAPE MAY 3 W		70.0	53.5	61.8		78	8*	44	30	116	0	0	0	0	.25		.14	25	.0	0		1	0	0
LONG BRANCH	R	69.5	48.1	58.8	2.6	85	7	38	5	202	0	0	0	0	.11	- 3.60	.07	03	.0	0		0	0	0
DIVISION 03				59.8	1.8										.13	- 3.17			.0					

See Reference Notes Following Station Index

NEW JERSEY
OCTOBER 1963

- 88 -

DAILY TEMPERATURES

NEW JERSEY
OCTOBER 1963

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NORTHERN																																		
BELVIOERE	MAX	66	70	74	73	62	67	77	82	68	67	68	75	65	69	78	78	81	80	80	82	75	82	58	67	76	78	79	83	59	56	50	71.8	
	MIN	38	40	44	46	33	33	37	41	40	34	34	39	34	31	31	33	34	39	44	44	42	42	38	42	41	45	47	47	38	38	33	38.8	
BOONTON 1 SE	MAX	65	69	74	72	62	69	79	82	68	65	69	73	64	66	73	79	79	82	79	82	72	79	57	68	78	77	79	82	56	57	49	71.1	
	MIN	36	38	42	49	32	33	39	51	39	33	32	37	33	35	38	40	41	45	45	45	42	42	39	37	38	42	49	51	44	37	38	40.1	
CANOE BROOK	MAX	65	71	77	77	63	71	81	84	69	65	67	77	65	68	77	81	83	83	78	84	71	80	58	68	77	80	82	84	56	57	51	72.6	
	MIN	38	40	45	48	31	35	48	48	35	34	35	44	30	31	36	36	39	43	47	47	43	45	37	39	41	45	47	50	40	36	33	40.2	
CHARLOTTEBURG	MAX	63	71	75	73	61	72	81	86	66	65	70	74	63	65	75	80	79	82	77	83	73	77	57	71	80	79	81	82	56	55	46	71.5	
	MIN	36	36	42	46	31	33	48	52	37	32	33	39	32	32	33	41	50	44	45	46	41	42	35	36	43	43	53	49	42	34	34	40.0	
ELIZABETH	MAX	71	78	77	66	70	80	84	78	70	71	76	70	67	76	82	85	90	77	85	73	84	72	70	79	80	78	85	68	59	53	64	74.8	
	MIN	43	47	52	50	36	41	53	55	45	41	41	51	39	38	45	43	48	51	49	53	49	52	44	44	46	47	52	52	44	38	38	46.0	
ESSEX FIELDS SERV BLDG	MAX	70	72	71	64	71	80	83	69	65	68	75	65	68	75	80	82	80	77	82	71	80	58	68	77	77	80	83	55	56	50	71.7		
	MIN	40	45	48	32	35	54	53	38	35	35	36	44	31	34	36	42	43	45	46	50	45	46	38	42	43	45	53	52	41	36	32	42.0	
FLEMINGTON 1 NE	MAX	67	76	78	77	65	73	82	85	72	69	71	77	65	67	54	80	81	85	82	88	84	75	72	72	81	82	83	73	58	56	50	73.5	
	MIN	35	38	40	43	30	30	37	37	37	32	32	36	32	31	31	35	36	41	42	43	40	41	39	37	37	37	49	49	39	37	33	37.3	
HIGH POINT PARK	MAX	72	75	73	71	57	69	80	88	64	64	66	75	60	62	72	77	76	78	80	81	74	73	66	71	76	80	80	80	53	52	58	71.1	
	MIN	38	48	51	50	31	33	49	53	37	38	41	43	34	35	42	37	40	54	52	58	50	41	40	42	51	52	54	49	37	30	30	43.2	
JERSEY CITY	MAX	64	75	75	68	67	80	83	69	64	63	75	66	63	75	76	82	81	70	77	70	80	60	64	74	74	77	80	61	57	50	63	70.4	
	MIN	46	52	56	52	42	51	55	56	50	44	48	50	44	47	51	54	58	52	55	57	54	50	46	52	55	57	60	49	45	39	38	50.5	
LAMBERTVILLE	MAX	75	78	75	71	72	80	86	76	68	71	76	70	68	78	83	83	84	80	85	75	82	74	71	80	80	80	86	68	56	52	63	75.0	
	MIN	41	44	51	51	32	36	52	51	37	36	42	45	32	34	35	37	39	46	45	47	44	54	39	42	44	54	49	51	38	39	35	42.6	
LAYTON 2	MAX	65	74	77	73	63	74	81	91	67	68	71	77	65	69	76	82	81	81	84	84	73	81	62	70	79	79	82	85	59	56	49	73.5	
	MIN	38	38	43	45	30	32	38	41	32	32	32	37	32	30	30	32	34	35	41	40	41	38	36	36	40	40	43	47	39	35	26	36.5	
LITTLE FALLS	MAX	60	74	78	76	67	74	83	84	75	78	72	77	68	70	77	83	83	85	81	85	73	81	60	72	81	82	84	86	57	58	50	74.6	
	MIN	42	45	47	48	36	39	42	56	40	36	39	41	34	34	41	41	44	47	47	47	45	49	40	41	41	45	46	52	52	46	37	39	43.2
LONG VALLEY	MAX	65	71	75	72	63	70	79	84	69	67	70	73	65	66	74	78	81	83	79	82	74	82	57	67	76	76	79	83	57	55	49	71.6	
	MIN	34	34	40	42	31	35	44	51	36	30	30	33	30	29	33	34	34	40	40	43	38	50	36	36	36	40	46	50	43	37	27	37.7	
MORRIS PLAINS 1 W	MAX	66	71	76	74	64	71	81	84	69	67	69	75	65	69	82	82	84	84	80	84	72	82	57	70	79	80	81	85	56	56	50	73.1	
	MIN	37	40	46	49	35	38	49	51	43	32	37	44	33	33	39	44	44	44	45	47	41	45	37	38	40	44	52	50	43	36	35	41.6	
NEWARK WB AIRPORT	MAX	66	77	77	65	70	82	84	70	66	64	76	67	68	76	80	83	82	73	81	71	80	61	67	77	79	79	81	66	57	50	62	72.2	
	MIN	48	51	56	51	41	47	54	57	51	46	45	50	43	44	53	52	55	56	52	56	54	51	49	48	53	59	59	53	43	39	40	50.2	
NEWTON	MAX	65	72	76	73	62	72	87	85	67	67	70	75	64	67	74	79	80	81	80	83	75	75	58	68	78	77	80	82	67	55	48	72.3	
	MIN	32	35	39	47	29	32	37	50	33	29	33	34	34	28	30	34	35	40	41	40	37	38	33	35	38	40	43	44	43	36	34	36.5	
PATERSON	MAX	70	79	77	64	74	83	86	71	66	70	77	66	68	76	80	80	83	82	78	83	72	79	59	67	77	80	82	78	57	58	52	73.1	
	MIN	49	52	50	39	45	52	58	46	41	42	46	41	41	44	50	53	52	52	54	50	50	43	47	49	52	56	53	46	38	40	47.7		
PHILLIPSBURG	MAX	74	78	78	75	71	81	86	85	68	72	72	74	67	76	79	81	83	80	83	84	81	81	68	78	80	79	84	84	59	51	63	76.0	
	MIN	38	42	47	50	32	36	42	50	39	34	38	47	46	36	36	37	49	44	43	46	44	52	40	42	44	53	47	53	40	39	36	42.6	
PLAINFIELD	MAX	73	78	77	66	70	82	85	72	69	70	77	68	68	76	81	85	84	78	85	71	83	63	68	81	80	79	84	65	57	52	53	73.5	
	MIN	41	45	49	50	34	39	49	52	40	39	40	49	34	35	40	41	44	49	47	52	48	54	44	41	46	55	53	52	40	38	35	44.4	
SOMERVILLE	MAX	72	77	75	64	69	81	83	73	68	67	75	68	66	74	79	81	82	77	83	74	82	72	66	83	78	82	89	65	57	50	56	73.2	
	MIN	39	42	48	50	33	38	47	51	38	36	38	48	33	33	38	38	42	46	45	47	47	52	43	50	44	50	50	51	39	38	32	42.8	
SUSSEX	MAX	63	73	77	73	79	81	86	86	65	67	71	75	63	75	81	80	82	84	85	84	74	65	74	83	83	82	83	86	58	55	47	74.8	
	MIN	36	36	43	48	31	31	50	50	39	32	33	39	33	33	37	37	41	44	45	40	40	35	35	40	40	42	47	47	42	34	33	39.1	
SOUTHERN																																		
ATLANTIC CITY WB AP	MAX	73	75	79	65	69	78	83	78	68	67	74	68	65	73	80	81	81	74	80	69	80	60	70	77	73	80	80	64	54	51	62	72.0	
	MIN	45	49	57	46	38	46	53	53	44	42	43	48	40	43	45	47	49	49	49	54	59	56	48	44	46	59	52	52	44	41	40	47.8	
AUGUBEN	MAX	75	78	77	67	71	80	84	76	68	70	75	68	66	75	81	81	82	79	83	73	81	62	70	78	78	76	848						

DAILY TEMPERATURES

NEW JERSEY
OCTOBER 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SEABROOK FARMS	MAX MIN																																
SHILOH	MAX MIN																																
TOMS RIVER	MAX MIN	74 37	78 44	79 56	76 49	67 32	80 36	84 49	83 56	76 40	64 34	75 35	74 46	65 30	73 30	81 36	81 36	79 44	82 44	84 46	79 55	78 55	68 52	78 41	78 41	80 58	83 51	78 50	56 42	55 38	62 29	75.2 42.8	
TRENTON WB CITY	MAX MIN	73 48	75 50	74 54	64 48	70 40	80 47	83 54	70 55	65 48	68 44	75 45	64 49	65 42	73 43	80 46	80 48	83 52	78 53	83 51	70 55	80 54	57 48	67 48	79 47	77 51	77 61	83 55	63 50	55 41	50 38	61 39	71.7 48.5
TUCKERTON	MAX MIN	75 45	74 47	75 58	66 49	70 50	68 47	77 53	79 57	67 44	63 36	72 37	70 39	69 34	74 33	80 44	82 45	80 45	69 44	78 45	69 46	75 55	65 53	73 41	73 39	80 36	80 66	82 52	67 53	53 43	55 38	64 37	71.7 45.5
WOODSTOWN	MAX MIN	74 43	76 47	76 53	72 50	68 35	77 39	82 53	75 52	67 46	69 36	73 40	69 46	66 32	72 35	78 36	80 39	81 39	79 46	81 45	74 50	79 51	74 55	69 51	76 44	74 40	69 59	83 52	71 53	58 44	53 39	62 33	72.8 44.6
COASTAL																																	
ATLANTIC CITY	MAX MIN	68 50	68 57	71 59	64 49	62 45	74 49	72 57	78 56	61 49	60 45	66 49	66 50	59 43	72 46	73 49	74 51	79 52	65 53	72 54	64 59	71 60	59 56	62 52	69 47	68 50	70 60	71 58	65 53	53 43	40 40	59 40	66.6 51.0
CAPE MAY 3 W	MAX MIN	71 57	73 59	76 60	75 59	64 45	74 59	78 59	78 61	73 53	66 47	70 47	69 57	67 45	66 47	72 56	75 57	74 56	75 54	72 53	68 56	77 59	77 58	65 54	65 46	66 47	67 54	72 51	69 58	59 52	56 44	60 49	70.0 53.5
LONG BRANCH	MAX MIN	64 44	75 48	77 56	62 50	62 38	80 44	85 54	81 57	64 44	62 42	74 43	64 50	62 42	73 40	77 47	79 50	79 49	68 51	78 48	67 51	77 55	57 54	63 48	72 45	74 49	75 59	76 56	60 55	55 43	49 39	62 39	69.5 48.1

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN																																	
CANOE BROOK	EVAP	.11	.11	.14	.10	.19	.05	.13	.16	.09	.12	.10	.10	.16	.09	.08	.10	.11	.11	.06	.11	.02	.13	.08	.04	.01	.12	.02	.17	.05	.12	.10	3.08
	WIND	26	30	38	44	14	16	43	20	26	20	24	38	14	11	9	12	18	20	5	10	57	35	14	7	17	24	9	35	80	65	807	
	MAX	70	70	77	72	69	71	75	77	67	68	69	71	68	67	70	72	74	71	72	73	73	71	57	64	66	72	74	75	54	51	53	68.8
	MIN	47	47	52	50	40	36	46	52	45	43	43	45	40	41	42	45	46	47	45	41	50	50	43	44	46	49	55	54	45	38	37	45.3
SOUTHERN																																	
PEMBERTON 3 E	EVAP	.09	.04	.04	.17	.11	.14	.08	.11	.05	.13	.09	.10	.11	.09	.03	.12	.07	.08	.07	.09	.04	.14	.02	.06	.09	.09	.05	.03	.05	.11	.14	2.63
	WIND	6	13	16	40	6	17	14	9	10	6	14	19	9	13	10	8	4	4	4	9	11	73	8	6	3	7	6	14	25	92	57	533

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

DAILY SOIL TEMPERATURES

NEW JERSEY
OCTOBER 1963

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RUTGERS MICRO MET STA																																	
PLOT #1																																	
1 INCH	MAX	71	70	69	68	68	68	65	64	64	64	62	62	61	63	63	64	64	66	62	64	59	62	64	64	64	65	67	60	56	52	54	63.5
	MIN	59	60	62	60	57	57	60	58	55	55	56	58	52	51	52	52	54	55	57	57	54	54	52	54	57	57	55	50	47	46	55.0	
2 INCHES	MAX	69	69	68	67	66	67	64	63	63	62	62	61	60	60	62	62	63	63	64	62	63	59	61	62	62	63	65	60	56	52	53	62.4
	MIN	59	61	62	60	57	58	60	58	55	56	56	58	52	52	53	53	54	55	56	57	55	55	54	53	55	58	57	56	50	48	47	55.5
4 INCHES	MAX	67	67	67	65	64	65	62	61	61	61	60	60	59	58	59	59	60	61	61	60	60	59	59	59	59	61	62	60	57	52	52	60.5
	MIN	61	62	63	62	59	59	61	59	57	57	58	59	54	53	54	54	55	56	56	58	56	56	55	54	55	58	58	57	52	50	49	56.7
8 INCHES	MAX	65	66	66	65	63	64	63	60	60	60	60	60	59	58	57	57	58	58	59	60	59	58	58	58	58	59	60	58	55	53	59.9	
	MIN	63	64	64	63	62	61	60	58	58	59	59	58	56	55	56	56	56	57	58	58	58	57	56	56	57	59	58	58	54	52	51	58.0
16 INCHES	MAX	65	65	65	65	65	64	64	61	60	60	61	61	59	59	58	58	58	59	59	59	59	59	59	59	58	58	58	59	58	57	56	60.2
	MIN	64	65	65	65	63	63	60	60	60	60	59	59	58	57	57	57	58	58	59	59	58	58	57	57	58	58	58	58	57	55	55	59.1
32 INCHES	MAX	66	65	65	65	65	65	64	61	61	61	62	61	60	59	59	59	59	59	59	59	59	59	59	59	58	58	58	58	58	58	60.5	
	MIN	65	65	65	65	64	64	60	60	60	60	60	60	59	59	58	58	58	58	58	59	58	58	58	58	58	58	58	58	57	57	59.7	
PLOT #2																																	
1 INCH	MAX	78	75	74	68	73	76	76	67	70	71	71	68	70	70	73	76	75	75	77	67	74	66	70	75	75	78	60	52	56	62	70.7	
	MIN	51	54	57	50	46	49	56	53	47	47	49	50	43	44	47	48	50	53	52	55	50	51	50	47	50	55	50	43	39	38	49.4	
2 INCHES	MAX	76	74	73	67	71	75	74	66	69	69	70	67	68	69	72	74	74	73	76	67	72	65	69	73	73	77	60	52	55	61	69.5	
	MIN	52	55	57	51	47	50	56	54	48	48	50	51	44	45	48	49	51	53	52	55	51	51	50	48	51	58	56	51	44	40	50.2	
4 INCHES	MAX	73	72	71	66	68	71	70	64	65	66	66	64	64	65	68	70	70	72	65	69	63	66	69	70	70	73	62	53	53	58	66.6	
	MIN	54	57	59	54	50	53	57	56	50	52	53	47	47	50	52	53	54	54	57	52	53	52	50	53	59	57	53	46	42	42	52.2	
8 INCHES	MAX	67	67	67	64	64	66	64	61	61	61	60	60	60	62	63	63	63	65	62	64	61	61	63	63	65	66	63	56	52	54	62.2	
	MIN	58	61	63	60	55	57	60	59	55	55	56	56	52	52	53	54	55	58	58	60	57	57	55	54	56	59	60	56	51	48	47	56.0

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND: FLAT. SOIL TYPE: LOAM. GROUND COVER: KENTUCKY BLUEGRASS. INSTRUMENTATION: COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND: FLAT. SOIL TYPE: LOAM. GROUND COVER: BARREN. INSTRUMENTATION: BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
ATLANTIC CITY WB AIRPORT	WSW	12	9.2	35++	NW	3	79	83	41	68	4	1	1	0	0	0	6	73	3.3
ATLANTIC CITY ST. MARINA	-	-	12.8	40++	N	29	-	-	-	-	-	2	0	0	0	0	-	-	-
LONG BRANCH	W	12	10.1	44	NW	30	-	78	56\$	59	2	2	0	0	0	0	4	80	3.4
NEWARK WB AIRPORT	SW	21	9.7	37++	NNW	29	69	75	40	55	2	1	1	0	0	0	4	-	3.5
TRENTON WB CITY	SW\$	-	7.8	36	NW\$	30	-	-	-	-	3	1	0	0	0	0	4	77	3.3

\$ TO 8 COMPASS POINTS ONLY
\$ NOON

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER											
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL												
ALLENDALE	0100	BERGEN	8 41 02	74 08	270						HJ	BERGEN COUNTY ENGINEERS	MIDLAND PARK	5503	BERGEN	8 40 59	74 09	210					RIDGEWOOD WATER CO.											
ATLANTIC CITY WB AP	0311	ATLANTIC	39 27	74 35	50	MIO	MID				HJ	U.S. WEATHER BUREAU	MILLVILLE	5576	CUMBERLAND	6 39 24	75 03	60	8A	MIO		C	H	L. J. GALLAGHER										
ATLANTIC CITY	0325	ATLANTIC	39 23	74 26	113	MIO	MID				HJ	STATE MARINA	MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	MID	MID					FED. AVIATION AGENCY									
AQUODON	0346	CAMDEN	39 54	75 04	50	11P	11P				HJ	IRVIN J. NYGREN	NILTON	5597	MORRIS	8 41 01	74 32	950	7A							JERSEY CITY WATER WKS.								
BASS RIVER ST FOREST	0518	BURLINGTON	40 39	74 26	20	9A					HJ	N.J. FORESTRY SERVICE	MOORESTOWN	5728	BURLINGTON	2 39 58	74 58	55	NIO	8A							H. J. WILLARD							
BELLEPLAIN STA FOREST	0690	CAPE MAY	39 15	74 52	30	5P	5P				HJ	BELLEPLAIN STATE FOREST	MORRIS PLAINS 1 W	5769	MORRIS	8 40 50	74 30	400	8A	8A							N. JOSEPH H. GARRIS							
BELLEVILLE	0711	MONMOUTH	40 09	74 04	40	7A					HJ	WALTER J. SCHANK	NEWARK WB AIRPORT	6026	ESSEX	1 40 42	74 10	11	NIO	MID							U.S. WEATHER BUREAU							
BEUVIERE	0729	WARREN	40 50	75 05	275	7A					HJ	N. CLEMENT HAUT	NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10 40 28	74 26	86	5P	5P							ARTHUR H. ANGLIST							
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240	7A					HJ	BERNARDS WATER COMPANY	NEW MILFORD	6146	BERGEN	4 40 57	74 02	12	MID								HACKENSACK WATER CO.							
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27	7A					HJ	HENRY M. MILLER	NEW MONMOUTH	6154	MONMOUTH	1 40 25	74 06	30	4P	4P							ST. MARY'S SCHOOL							
BOONTON 1 SE	0907	MORRIS	8 40 54	74 24	280	8A	8A				HJ	JERSEY CITY WATER WORKS	NEWTON	6177	SUSSEX	2 41 03	74 45	565	8A	8A							C	H	NEWTON WTR. & SWR. COMM.					
BOUND BROOK 2 W	0927	SOMERSET	10 40 33	74 34	50	8A					HJ	AMERICAN CYANAMIDE CO.	OAK RIDGE RESERVOIR	6460	PASSAIC	8 41 02	74 30	870	8A									NEWARK WATER DEPT.						
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580	7A					HJ	ALBERT M. OVENPORT	OLDWICK	6544	HUNTERDON	10 40 40	74 45	240	8A									DAN A. COUGHLIN						
BURLINGTON	1211	BURLINGTON	2 40 05	74 52	12	6P	6P				HJ	PUBLIC SVC. E. & G. CO.	ORANGE	6560	ESSEX	8 40 47	74 13	140	MID									COUNTY ENGINEER						
CANISTEAR RESERVOIR	1327	SUSSEX	6 41 07	74 30	1040	8A					HJ	NEWARK WATER DEPARTMENT	PATERSON	6775	PASSAIC	8 40 54	74 09	100	8A	8A								H	P. J. DEL VECCHIO					
CANOE BROOK	1395	ESSEX	8 40 45	74 21	180	8A	9A				HJ	COMMONWEALTH WATER CO.	PERMONT 3 E	6843	BURLINGTON	2 39 58	74 38	80	5P	5P									PHILIP E. NARUCCI					
CANTON	1433	SALEM	2 39 28	75 25	20	9A					HJ	GERTRUDE S. WILLIS	PHILLIPSBURG	6974	WARREN	2 40 41	75 11	100	3P	3P									TOWN OF PHILLIPSBURG					
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 38	15	5P	5P				HJ	N. WEST MACGILLICOTT	PHILLIPSBURG BRIDGE	6976	WARREN	2 40 42	75 12	200	7A										JOINT TOLL BRIDGE COMM.					
CEAR GROVE	1472	ESSEX	8 40 52	74 13	400	8A					HJ	J. A. PLUMETT	PLAINFIELD	7079	UNION	10 40 36	74 25	120	8P	8P								H	MRS. VIRIAN SCHERER					
CENTERTON	1512	SALEM	6 39 31	75 10	80	8A					HJ	JOHN HOPKINS UN.	PRINCETON WATER WORKS	7328	MERCER	10 40 20	74 40	60	MID										PRINCETON WATER CO.					
CHARLOTTEBURG	1582	PASSAIC	8 41 02	74 26	760	7A	7A				HJ	NEWARK WATER DEPT.	RAHWAY	7393	UNION	9 40 26	74 16	20	NIO									C	H	RAHWAY VLY. SWG. AUTH.				
CHATHAM	1590	MORRIS	10 40 44	74 23	185	8A					HJ	EDWARD P. HOLIOT	RINGWOOD	7587	PASSAIC	8 41 08	74 14	305	10A											ND. JERSEY WTR. SUPPLY				
CHATHAM NORTH	1598	BURLINGTON	1 39 49	74 52	100	5P	5P				HJ	EARL M. KERCHER	RUTGERS MICRO-MET STA	7831	NIO	10 29	74 26	125											G	RUTGERS STATE UNIV.				
CLINTON	1749	HUNTERDON	10 40 38	74 55	200	8A					HJ	ANDREW F. GROPE	SEABROOK FARMS	7936	CUMBERLAND	2 39 30	75 14	90	8A	8A										SEABROOK FARMS CO.				
CLINTON	2644	UNION	10 40 40	74 14	40	5P	5P				HJ	UNION CO. PARK COMM.	SHILTON	8051	CUMBERLAND	2 39 28	75 18	120	5P	5P										EVERETT DICKINSON				
ELIZABETH	2652	UNION	8 40 38	74 12	10	MIO					HJ	SEWAGE TREATMENT PLANT	SOMERVILLE	8194	SOMERSET	10 40 35	74 37	90	6P	6P										H	M. E. HAYES			
ESSEX FIELDS SERV BLDG	2768	ESSEX	8 40 50	74 17	340	8A	8A				HJ	BOROUGH ESSEX FIELDS	SPLIT ROCK POND	8403	MORRIS	8 40 58	74 28	800	10A											JERSEY CITY D. P. W.				
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 51	140	7A	7A				HJ	DONALD YOUNG	SPRINGFIELD	8423	UNION	1 40 43	74 18	90												UNION COUNTY ENGINEER				
FORTESCUE	3102	CUMBERLAND	2 39 14	75 10	5	7A					HJ	JOHN LOPER	SUSSEX	8644	SUSSEX	5 41 13	74 37	440	7A	7A										BRICE R. STANTON				
FREEMOLD	3181	MONMOUTH	10 40 15	74 17	194	6P	6P				HJ	FRANK J. MOREAU	TOMES RIVER	8816	OCEAN	1 39 57	74 13	10	6P	6P											TOMS RIVER WATER CO.			
GLASSBORO	3291	GLOUCESTER	2 39 42	75 07	135	8A	8A				HJ	GLASSBORO STATE COLLEGE	TRENTON WB CITY	8883	MERCER	2 40 13	74 46	56	NIO	MIO										C	H	U.S. WEATHER BUREAU		
GREENWOOD LAKE	3516	PASSAIC	8 40 53	74 03	10	7A					HJ	GEORGE T. VIGGINS	TUCKERTON	8899	OCEAN	1 39 36	74 20	10	6P	6P											SCOTT MATHIS			
HACKENSACK	3572	BERGEN	40 53	74 03	10	7A					HJ	BERGEN COUNTY ENGINEERS	WANAMUE RAYMOND DAM	9187	PASSAIC	8 41 03	74 18	320	8A												C	H	HACKENSACK WATER SUPPLY COMM.	
HAUNTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85	8A	8A				HJ	W. HUBBARD PARKHURST	WATCHUNG	9271	UNION	10 40 40	74 25	260													UNION COUNTY ENGINEER			
HIGH POINT PARK	3659	SUSSEX	5 41 18	74 40	1570	8A					HJ	U.S. DEPT. OF COM.	WESTVILLE	9274	ESSEX	10 40 27	74 48	160														ROBERT M. HANNERS		
HIGHTSTOWN 1 N	3951	MERCER	10 40 17	74 31	100	6P	6P				HJ	J. H. JAMES R. PICKERING	WEST WHARTON	9608	MORRIS	8 40 54	74 36	680	7A												N.J. POWER & LIGHT CO.			
INDIAN HILLS 2 W	4229	BURLINGTON	7 39 48	74 47	100	7P	7P				HJ	EDWARD ENTWISTLE	WOODCLIFF LAKE	9832	BERGEN	4 40 01	74 03	103	MID													C	H	HACKENSACK WATER CO.
IRVINGTON	4240	ESSEX	10 40 43	74 15	90	MID					HJ	JOINT MEETING GARAGE	WOODSTOWN	9910	SALEM	2 39 39	75 19	50	5P	5P												C	H	CREAM VALLEY DAIRY
JERSEY CITY	4339	MUON	1 40 44	74 03	135	NIO	MID				HJ	JERSEY CITY WATER DEPT.																						
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75	6P	6P				HJ	M. E. E. CASE																						
LAYTON 2	4736	SUSSEX	2 41 15	74 52	390	7A	7A				HJ	CHARLES KOONS																						
LITTLE FALLS	4887	PASSAIC	8 40 13	74 44	150	9A	9A				HJ	H. PASSAIC VLY. WTR. COMM.																						
LONG BRANCH	4987	MONMOUTH	40 18	74 00	20	MIO	MID				HJ	WILLIAM O. MARTIN, JR.																						
LONG VALLEY	5003	MORRIS	10 40 47	74 07	530	5P	7A				HJ	M. MISS PEARL HINSHAW																						
LUMBERTON	5009	BURLINGTON	2 39 18	74 48	25						HJ	JAMES LAWTON																						
MACADIN INTAKE	5071	PASSAIC	8 41 01	74 24	584						HJ	INACTIVE 1/61																						
MAHAW	5104	BERGEN	8 41 06	74 10	253	7A					HJ	ROBERT G. GLASGOW																						
MANVILLE	5197	SOMERSET	10 40 13	74 34	50	8A					HJ	JOHN L. RADCLIFFE																						
MARLBORO SCS	5244	MONMOUTH	1 40 20	74 14	120						HJ	GEROW BRILL													</									

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

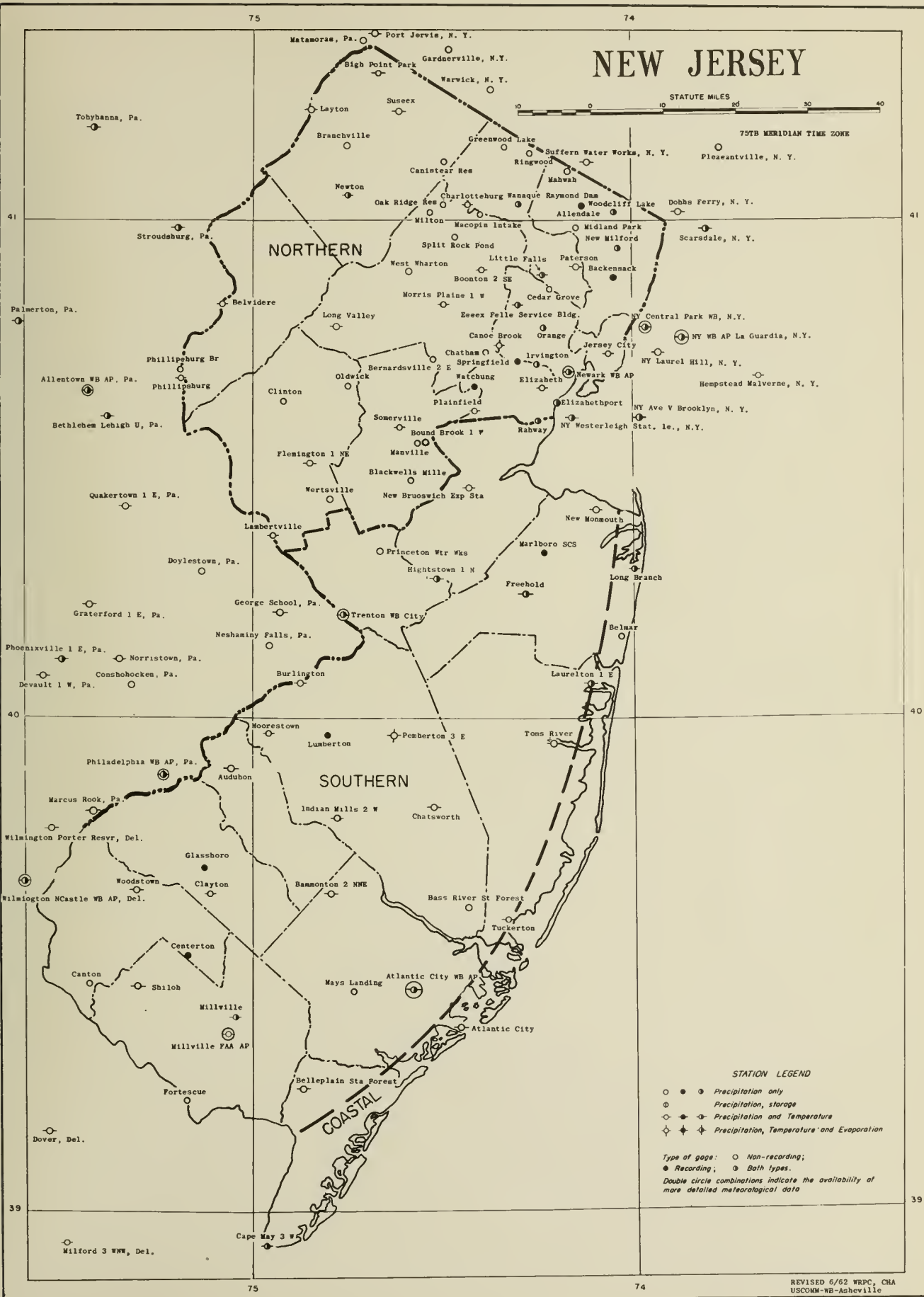
Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the



551.05
VNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

NOVEMBER 1963
Volume 68 No. 11



ASHEVILLE : 1964

THE LIBRARY OF THE
FEB 7 1964
UNIVERSITY OF MICHIGAN

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 76° on the 19th at Flemington 1 NE

Lowest Temperature: 19° on the 26th at Layton 2

Greatest Total Precipitation: 8.88 inches at Glassboro

Least Total Precipitation: 5.12 inches at Canton

Greatest One-Day Precipitation: 4.27 inches on the 7th at New Brunswick Exp Station

Greatest Reported Total Snowfall: 0.7 inch at Layton 2

Greatest Reported Depth of Snow on Ground: 1 inch on the 30th at High Point Park
and Layton 2

SPECIAL WEATHER SUMMARY

Temperatures over the State averaged well above normal for the first time since last April. Rainfall was much above normal over all sections of the State for the wettest month since September 1960. This is in sharp contrast to the record-breaking dryness in October of this year.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey 08608

CLIMATOLOGICAL DATA

NEW JERSEY
NOVEMBER 1963

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
																		Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										10" or Above	32" or Below	32" or Below	0" or Below										
NORTHERN 01																							
BELVIDERE	55.9	34.3	45.1	2.3	71	19	22	27+	589	0	0	14	0	6.38	2.52	1.89	07	0	0		6	5	3
BOONTON 1 SE	55.4	37.3	46.4	3.9	70	19	21	26	552	0	0	9	0	7.58	3.56	2.77	07	T	0		8	4	4
CANOE BROOK	57.2	35.9	46.6	3.6	72	19	21	26	547	0	0	14	0	7.95	3.85	3.57	07	0	0		8	4	3
CHARLOTTEBURG	54.9	35.8	45.4	3.4	71	19	20	26	584	0	0	13	0	7.97	3.48	2.15	08	0	0		7	4	3
ELIZABETH	58.8	40.4	49.6	3.9	73	18	26	26	456	0	0	7	0	6.25	2.37	3.27	07	0	0		8	2	2
ESSEX FELS SERV BLOG	55.5	36.7	46.1		70	19	23	26	559	0	0	13	0	6.59		2.09	07	T	T	30	A	4	4
FLEMINGTON 1 NE	57.3	34.9	46.1	1.8	76	19	20	26	561	0	0	15	0	7.94	4.20	2.65	07	T	0		8	4	4
HIGH POINT PARK	53.9	35.2	44.6		66	19	22	25	609	0	0	14	0	6.06		1.92	08	.5	1	30	7	4	3
JERSEY CITY	56.0	43.3	49.7	4.0	70	18	33	30+	449	0	0	0	0	8.06	4.64	3.25	07	0	0		9	5	3
LAMBERTVILLE	58.7	38.9M	48.8M	4.4	75	18	23	26	480	0	0	9	0	7.32	3.61	2.52	07	0	0		9	6	2
LAYTON 2	55.6M	32.8M	44.2M		70	19	19	26	618	0	0	18	0	5.31		1.63	08	.7	1	30	6	4	3
LITTLE FALLS	58.5	38.9	48.7	4.1	74	19	25	26	481	0	0	7	0	7.23	2.95	2.60	07	0	0		8	4	3
LONG VALLEY	55.0	34.4	44.7		71	19	20	26	602	0	0	15	0	7.61	3.36	2.15	07	0	0		8	4	4
MORRIS PLAINS 1 W	55.6	36.3	46.0		71	19	21	26	564	0	0	11	0	7.74		2.87	07	.5			8	4	3
NEWARK WB AIRPORT	56.5	42.9	49.7	4.3	73	18	31	26+	454	0	0	3	0	5.68	2.31	1.69	07	T	T	30+	7	4	2
NEWTON	54.7	34.9	44.8	3.6	70	19	20	26	599	0	0	11	0	5.42	1.79	1.72	07	T	T	30	7	4	2
PATERSON	58.3	41.5	49.9	4.8	75	19	29	26	443	0	0	2	0	7.36	3.32	2.32	07	T	0		8	5	3
PHILLIPSBURG	59.5	39.1	49.3	5.9	72	18	24	26	464	0	0	9	0	5.54	1.87	2.47	07	0	0		7	5	1
PLAINFIELD	58.1	40.0	49.1	4.3	74	18	24	26	474	0	0	7	0	8.16	4.33	3.79	07	T	0		9	6	2
SOMERVILLE	57.2	39.2	48.2	4.3	72	18	22	26	496	0	0	8	0	7.02	3.36	3.30	07	0	0		9	4	2
SUSSEX	57.0M	34.0M	45.5M	3.5	70	19	21	28+	579	0	0	16	0	6.52	2.71	2.02	08	0	0		8	4	3
DIVISION 01														6.94	3.06			.1					
SOUTHERN 02																							
ATLANTIC CITY WB AP	58.6	41.7	50.2	3.5	71	18	27	26+	438	0	0	4	0	6.46	2.80	1.93	29	0	0		8	4	3
AVALON	58.8	40.4	49.6		73	18	28	26	456	0	0	3	0	7.58		2.00	06	T	0		9	5	3
BELLEPLAIN ST FOREST	60.0	38.0	49.0		69	22+	21	26	475	0	0	10	0	6.80	2.77	2.68	07	0	0		9	6	1
BURLINGTON	59.3M	41.6	49.6M		73	18	30	30		0	0	2	0	7.62	3.96	2.26	07	T	0		9	7	2
CHATSWORTH	59.3	37.7	48.5		73	18	20	26	486	0	0	11	0			2.50	07	0	0		7	4	1
FREEHOLD	57.7	40.7	49.2	3.7	73	18	27	26+	465	0	0	6	0	8.28	4.32	3.55	07	T	0		9	4	2
GLASSBORO	58.4	39.5	49.0		70	19	26	26+	474	0	0	4	0	8.88				0	0				
HAMMONTON 2 NNE	58.2	40.2	49.2	2.5	71	19	28	26+	464	0	0	5	0	6.70	2.96	1.96	08	0	0		8	5	3
HIGHTSTOWN 1 N	57.7	40.6	49.2	4.0	73	18	26	26	469	0	0	6	0	6.90	3.51	2.51	07	T	0		9	4	2
INDIAN MILLS 2 W	58.8	38.0	48.4	3.2	75	18	20	26	490	0	0	9	0	7.11	3.40	2.80	07	0	0		9	6	2
MILLVILLE	58.5	38.8	48.7		71	19	26	26	483	0	0	7	0	6.32		1.85	06	0	0		8	4	3
MILLVILLE FAA AIRPORT	57.4	39.4	48.4		68	18	25	26+	488	0	0	9	0	7.41		2.32	06	0	0		9	4	3
MOORESTOWN	57.2	40.1	48.7	3.7	72	18	28	26	484	0	0	4	0	6.71	3.10	3.01	07	T	0		7	5	2
NEW BRUNSWICK EXP STA	57.8	41.6	49.7	4.4	71	18	27	26	452	0	0	6	0	8.33	4.69	4.27	07	T	0		9	5	1
NEW MONMOUTH	58.3	41.4	49.9		74	18	24	26	449	0	0	3	0	8.25		3.64	07	T	0		7	5	2
PEMBERTON 3 E	58.0	39.4	48.7	2.4	73	18	23	26	481	0	0	8	0	6.38	2.87	2.28	07	0	0		9	3	2
SEABROOK FARMS	57.7	41.4	49.6	3.3	68	18	28	26	455	0	0	3	0	6.35	2.62	2.46	07	0	0		9	5	1
SHILOH	62.0	39.6	50.8		75	18	22	26	420	0	0	9	0	7.07		2.19	07	0	0		9	5	2
TOMS RIVER	57.1	43.0	50.1	4.3	70	18	31	25	442	0	0	2	0	6.01	2.85	1.74	07	T	T	30	9	5	2
TRENTON WB CITY																							
TUCKERTON	58.4	40.3	49.4		68	18	23	26	464	0	0	5	0	5.39		2.70	06	0	0		5	3	2
WOODSTOWN	59.1	39.6M	49.4M		71	18	26	26	454	0	0	0	0	7.01		2.53	07	0	0		9	5	1
DIVISION 02														7.08	3.34			T					
COASTAL 03																							
ATLANTIC CITY	56.0	43.7	49.9	1.6	63	11	29	25	447	0	0	2	0	5.46	1.67	1.72	29				6	3	3
CAPE MAY 3 W	59.0M	46.3M	52.7M		67	18	29	26	363	0	0	1	0	5.56		2.07	07	0	0		7	5	1
LONG BRANCH	56.9	42.2	49.6	3.9	75	18	28	26	456	0	0	4	0	6.80	2.99	2.40	07	T	0		7	5	3
DIVISION 03														5.94	2.35			T					

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
NOVEMBER 1963

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NORTHERN 01																																		
BELVIDERE	6.38	.05	.24	.02			.50	1.89	1.12	.08		.08				T				.02			.04		.97					T	1.37			
BERNARDSVILLE 2 E	7.63	.09	.55	T			.49	3.10	.94	.03		.06													1.03					.02	1.32			
BLACKWELLS MILLS	7.10	.09	.64				.30	3.26	.62	T														.04		.88					T	1.27		
BOONTON 1 SE	7.58	.11	.35	T			.44	2.77	1.00	.04		.12								T		T		T		1.28					T	1.47		
BOUND BROOK 2 W	6.62	.12	.47	T			.37	2.86	.80			T														.73					T	1.27		
BRANCHVILLE	5.76		.13				.42	1.61	1.08	.03		.30										.01	T		1.03					.04	1.11			
CANISTEAR RESERVOIR	6.91	T	.28	T			.25	2.10	1.48	.07		.13	T			T										.83					T	1.75		
CANOE BROOK	7.95	.13	.46	.01			.32	3.57	.77	.03		.10										T				1.05					.01	1.50		
CEDEARS GROVE																																		
CHARLOTTEBURG	7.97	.40	.22	.02			.33	2.12	2.15	.06		.09												T		.86						1.72		
CHATHAM																																		
CLINTON	7.70	.21	.30	.06			.50	2.81	1.16		.06																							
ELIZABETH	6.25	.22	.45				.37	2.27	.26	T		.06											T	.01		.86					1.12	.16		
ELIZABETHPORT	6.79	.52	.16			.06	1.09	2.84	.16		.01																				1.21	.07		
ESSEX FIELDS SERV BLDG	6.59	.07	.49				.35	2.09	1.00	.08		.07														.67					.02	1.38		
FLEMINGTON 1 NE	7.94	.19	.43	.15			.45	2.65	1.30	.04		T													.02		1.23				T	1.48		
GREENWOOD LAKE	7.67	.01	.22	T			.32	1.70	2.15	.21		.22										.04	.05	T	.87					T	1.88			
HIGH POINT PARK	6.06	.03	.11	T			.36	1.41	1.92	.09		.18				T							.01			.60					T	1.35		
IRVINGTON	7.00	.45	.14				.07	1.18	2.90	.21		.09									T					.85					1.11			
JERSEY CITY	8.06	.76	.20				.22	1.04	3.25	.22		.12														.74					1.51	T		
LAMBERTVILLE	7.32	.35	.23	.01			.68	2.52	.86		.01	.02											.01		.66	.31					1.14	.52		
LAYTON 2	5.31	T	.07	.03			.37	1.02	1.63	.06		.15				T							.02								.62			
LITTLE FALLS	7.23	.13	.41				.34	2.60	1.22	.06		.10														.86					.01	1.50		
LONG VALLEY	7.61	.10	.45				.48	2.15	1.00	.10		.07	T								.02											1.93		
MAHWAH	7.53		.34	.01			.39	2.02	2.12	.10		.25													.01	.01	.91				.01	1.34		
MANVILLE	5.62	.14	.53	.02			.28	2.16	.87	.03		.01											T								T	1.00		
MIDLAND PARK	7.80	.36	.10			.10	1.14	3.02	.28		T	.19													1.24					1.34	.03			
MILTON	6.97	.20	.18				.32	1.99	.98	.07		.13														1.00	.04				.05	2.01		
MORRIS PLAINS 1 W	7.74	.15	.37				.47	2.87	.84	.02		.11								T		.01	T	1.32						.02	1.56			
NEWARK WB AIRPORT	5.68	.48	.15			.06	.97	1.69	.18	T		.09				T							.01		.67					1.34	.04			
NEW MILFORD	6.83	.38	.10			.06	.86	3.02	.26			.11													.74					1.30				
NEWTON	5.42	.02	.20				.43	1.72	.77	.02		.15				.01				T		.03				.95				.01	1.11			
OAK RIDGE RESERVOIR	7.75	T	.34				.38	2.08	1.54	.07		.12												.01	T	1.13				.01	2.07			
OLIVICK	6.44	.22	.28	.07			.62	2.57	.89	.02		.04				.03															T	1.43		
ORANGE	8.61	.15					1.04	3.58	.64			.18														1.32					1.70			
PATERSON	7.36	.06	.41				.56	2.32	1.18	.38		.10				T				T		.01	T		.83					T	1.51			
PHILLIPSBURG	5.54	.20	.31				.69	2.47	.68			.04														.83				.57	.54			
PHILLIPSBURG BRIDGE	6.40	.12	.31	.10			.55	2.51	.70	.04		.04														.89					1.14			
PLAINFIELD	8.16	.53	.25				.75	3.79	.55			.02															.68	.16			1.27	.16		
PLAINWAY	6.65	.52	.16			.07	1.28	2.65	.16			T														.58					1.15	.08		
RINGWOOD	7.15	.08	.17				.39	2.15	2.02			.18												.02			.84					T	1.30	
SOMERVILLE	7.02	.25	.31				.76	3.30	.14			T														.70		.15			1.10	.31		
SPLIT ROCK POND	7.78	.08	.28				.43	2.67	1.33	.05		.11														1.08					.04	1.71		
SUSSEX	6.52	T	.12	.05			.38	1.44	2.02	.11		.27				T				.02		.04		.80						.01	1.26			
WANAGUE RAYMOND DAM	6.50	.05	.16				.37	2.06	1.74			.12																		T	1.22			
WERTSVILLE	7.15	.18	.40	.09	T	.35	.10	2.10	1.55	.02		.01														1.07				.38	.90			
WEST WHARTON	7.57	.02	.30				.33	2.33	1.10	.08		.06								.01						1.15				.01	2.18			
WOODCLIFF LAKE	7.32	.40	.15			.07	1.13	2.90	.32			.21														.75					1.37	.02		
SOUTHERN 02																																		
ATLANTIC CITY WB AP	6.46	.27	.35			.06	1.60	1.36	.10																					1.93	.11			
AUDUBON	7.58	.68	.18			.15	2.00	1.91	.36																	1.08				.96	.26			
BASS RIVER ST FOREST	6.88	.07	.73				.37	2.75	.43																.10		.72				1.80			
BELLEPLAIN ST FOREST	6.80	.70	.55			.02	.57	2.68	.25																						.77	.74		
BURLINGTON	7.62	.54	.40				.68	2.26	.58			T										.03				.70	.38				.75	1.30		
CANTON	5.12	.16	.62				.38	1.90	.40														.60	.03							.02	1.01		
CHATSWORTH		.18	.69				.29	2.50	.77																									
FORTESCUE	5.91		.65				.60	2.50	.45																		.56					1.15		
FREEHOLD	8.28	.25	.70																															

DAILY TEMPERATURES

NEW JERSEY
NOVEMBER 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN 01																																	
BELVIOERE	MAX	64	56	50	52	57	61	57	56	57	57	61	61	51	50	49	47	57	65	71	55	55	54	60	61	46	46	43	62	56	61	55.9	
	MIN	33	40	34	30	30	36	50	50	49	45	48	29	28	24	27	30	33	41	39	26	26	39	39	39	27	22	22	30	29	34	34.3	
BCONTON 1 SE	MAX	59	54	48	49	57	63	58	58	56	59	62	60	52	49	48	48	57	62	70	55	50	55	63	63	44	44	45	60	53	60	55.4	
	MIN	42	41	38	25	34	38	54	54	53	47	49	33	27	28	34	35	41	46	47	28	30	40	41	38	30	21	26	32	33	33	37.3	
CANOE BROCK	MAX	64	55	49	51	60	65	58	59	58	59	63	63	54	52	49	50	60	61	72	57	55	58	65	65	48	46	45	61	54	60	57.2	
	MIN	45	40	33	26	32	40	54	53	52	40	48	29	28	23	32	33	41	42	48	25	31	38	42	37	28	21	26	27	30	32	35.9	
CHARLOTTEBURG	MAX	61	54	46	47	58	60	57	56	54	62	61	59	50	49	46	47	58	62	71	53	54	55	63	60	43	42	46	61	52	59	54.9	
	MIN	40	39	36	29	34	34	52	51	50	45	47	29	28	28	31	31	40	46	46	25	28	39	41	36	23	20	27	30	33	31	35.8	
ELIZABETH	MAX	57	52	53	56	67	58	59	60	63	66	64	56	53	50	51	59	63	73	67	56	58	64	66	62	48	47	61	56	60	59	58.8	
	MIN	47	41	37	32	37	54	55	55	53	45	50	35	31	31	35	34	46	63	51	32	41	43	46	38	29	26	41	36	32	34	40.4	
ESSEX FELL5 SERV BLOS	MAX	62	53	48	49	58	61	57	56	56	59	62	60	51	50	48	47	57	60	70	56	53	55	66	63	44	44	44	60	58	59	55.5	
	MIN	42	40	35	29	35	40	54	47	52	43	50	30	29	26	29	33	42	47	48	28	29	42	43	37	27	23	26	32	32	32	36.7	
FLEMINGTON 1 NE	MAX	53	55	50	51	59	65	58	57	60	61	66	60	53	53	49	50	58	69	76	55	58	59	65	65	47	44	45	61	55	61	57.3	
	MIN	38	41	35	26	32	37	54	52	51	43	47	30	29	25	25	31	31	39	41	25	27	39	41	41	27	20	24	30	31	35	34.9	
HIGH POINT PARK	MAX	61	54	49	45	60	60	54	58	50	52	56	56	54	52	44	42	56	60	66	50	55	56	65	57	50	48	46	52	54	56	53.9	
	MIN	41	36	29	31	33	40	48	46	44	41	44	31	29	28	26	30	36	46	41	26	38	41	45	32	22	26	32	32	36	26	35.2	
JERSEY CITY	MAX	55	49	50	58	58	58	58	58	61	59	61	53	51	48	50	57	58	70	61	54	56	60	65	52	45	46	60	55	58	57	56.0	
	MIN	48	40	35	37	47	53	53	54	52	51	47	42	38	36	35	37	51	49	43	39	44	51	52	35	33	33	42	47	47	33	43.3	
LAMBERTVILLE	MAX	57	51	52	60	65	58	60	58	62	64	62	54	51	51	50	58	67	75	63	56	59	65	64	60	47	44	45	61	55	61	58.7	
	MIN	45	37	35	28	32	52	55	51	50	45	47	30	29	26	37	33	47	43	45	28	34	42	51	40	29	23	38	30	48	60	38.9	
LAYTON 2	MAX	62	54	50	49	62	61	56	55	55	58	61	59	53	50	49				70	54	54	53	62	60	44	44	43	61	56	57	55.6	
	MIN	26	39	33	21	26	36	50	49	49	43	46	26	25	26	27				26	46	26	27	36	38	26	19	24	28	30	31	32.8	
LITTLE FALLS	MAX	64	56	50	51	61	63	62	60	58	62	65	64	55	53	50	50	60	64	74	59	58	57	68	66	48	47	50	63	55	61	58.5	
	MIN	45	42	37	30	36	41	44	54	53	47	51	33	36	30	35	37	42	44	49	30	37	42	47	38	30	25	31	33	35	32	38.9	
LONG VALLEY	MAX	61	54	50	50	56	61	57	58	57	58	61	59	50	48	47	48	54	63	71	56	54	54	62	60	43	43	42	60	55	59	55.0	
	MIN	27	40	34	25	30	35	52	50	50	41	48	26	26	24	25	29	44	39	50	24	25	37	46	38	26	20	34	28	27	32	34.4	
MORRIS PLAINS 1 W	MAX	61	54	48	48	58	62	57	57	56	59	62	61	53	50	48	48	58	63	71	55	55	56	63	62	44	45	43	60	53	59	55.6	
	MIN	42	40	37	26	33	38	40	51	51	40	49	31	28	31	34	36	41	46	48	27	32	38	41	38	30	21	24	30	33	32	36.3	
NEWARK WB AIRPORT	MAX	55	49	50	59	61	58	58	59	61	60	61	53	51	50	49	57	59	73	61	53	57	62	66	52	45	46	60	56	58	56	56.5	
	MIN	49	39	38	35	41	52	54	55	54	52	47	40	37	38	36	36	49	48	44	38	47	62	52	35	31	31	42	42	46	32	42.9	
NEWTON	MAX	61	55	48	47	56	61	58	55	56	57	59	59	51	48	47	46	58	64	70	52	54	54	63	60	44	42	42	60	55	59	54.7	
	MIN	41	40	35	25	34	39	49	49	50	42	44	33	27	25	33	33	37	42	47	22	25	37	39	36	30	20	29	26	28	31	34.9	
PATERSON	MAX	64	55	53	50	60	62	59	59	59	62	64	65	55	55	52	55	59	63	75	60	57	58	65	65	47	46	48	61	55	61	58.3	
	MIN	44	42	40	34	39	43	52	55	53	51	51	39	37	34	35	38	41	48	50	35	40	46	50	39	32	29	33	38	43	34	41.5	
PHILLIPSBURG	MAX	60	55	53	59	63	63	59	59	64	64	65	60	56	55	55	62	66	72	71	56	61	62	62	62	46	45	61	60	55	53	59.5	
	MIN	44	41	35	29	36	51	53	50	50	49	48	30	30	30	36	34	44	43	50	27	42	39	47	40	29	24	31	30	47	34	39.1	
PLAINFIELD	MAX	54	50	53	60	67	58	60	58	62	65	62	55	53	50	50	59	64	74	58	56	57	65	66	57	47	46	61	55	60	60	58.1	
	MIN	46	41	36	28	34	52	56	55	53	43	50	31	29	28	35	34	47	42	52	30	39	42	46	39	26	24	41	37	48	35	40.0	
SCMERVILLE	MAX	55	51	50	58	63	58	59	58	59	62	60	53	51	49	49	61	64	72	62	54	57	63	64	58	45	45	60	56	60	59	57.2	
	MIN	46	38	36	27	33	52	55	52	51	40	49	29	29	27	35	30	48	50	45	29	44	40	49	38	28	22	39	33	49	34	39.2	
SUSSEX																																	

Continued

DAILY TEMPERATURES

NEW JERSEY
NOVEMBER 1963

Station		Day Of Month																															NOVEMBER 1965
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
SEABROOK FARMS	MAX MIN																																
SHILOH	MAX MIN	55 48	53 40	57 40	58 41	57 42	57 52	62 54	58 48	59 48	63 44	62 46	55 35	52 33	50 34	50 39	57 32	57 44	68 44	59 47	57 35	58 43	62 41	65 51	61 38	45 29	48 28	62 39	63 38	62 48	60 40		57.7 41.4
TOMS RIVER	MAX MIN	63 48	55 41	56 36	61 28	65 35	64 52	64 55	62 53	64 50	70 45	63 45	60 30	55 28	52 28	53 28	60 32	65 48	75 40	74 48	58 31	60 36	67 44	69 55	60 38	57 27	50 22	65 42	65 39	64 48	64 36		62.0 39.6
TRENTON WB CITY	MAX MIN	54 48	48 34	50 38	59 37	63 44	58 53	61 56	57 53	60 50	63 50	59 43	51 40	50 37	48 34	48 38	58 37	67 52	70 49	62 42	55 38	57 48	66 50	65 53	53 36	44 31	46 32	62 40	59 43	62 50	59 33		57.1 43.0
TUCKERTON	MAX MIN	55 50	53 38	58 38	61 33	62 41	62 52	65 48	58 50	62 50	64 47	56 34	53 29	50 29	51 35	60 26	61 46	68 45	64 43	53 37	63 45	58 48	60 51	58 42	55 26	51 23	54 41	53 41	63 35	58 35		58.4 40.3	
WCOOSTOWN	MAX MIN	57 48	53 42	51 35	59 29	61 35	59 52	65 55	58 50	60 49	62 39	62 45	54 31	52 28	51 28	51 40	58 34	67 40	71 42	61 47	58 31	59 42	66 39	65 52	63 39	53 30	48 26	63 38	62 31	63 48	62 39		59.1 39.6
COASTAL 03																																	
ATLANTIC CITY	MAX MIN	58 47	49 41	51 38	55 37	58 49	58 56	60 57	57 51	59 50	60 48	63 48	54 39	50 38	50 33	50 36	57 37	60 49	60 53	59 43	54 41	58 51	59 50	59 54	54 34	45 29	50 33	62 46	57 41	59 51	54 32		55.9 43.7
CAPE MAY 3 W	MAX MIN	63 54	61 43		59 43	59 50	60 50	65 57	61 52	57 52	59 49	60 52	60 40	56 40	49 42	49 43	57 44	63 47	67 52	60 52	58 39	59 50	62 44	60 55	59 45	48 37	53 29	62 47	62 45	62 51	61 38		59.0 46.3
LONG BRANCH	MAX MIN	55 47	48 36	49 35	59 32	64 39	58 54	60 57	58 54	60 52	58 50	61 43	53 36	51 34	48 31	49 35	57 36	59 49	75 49	61 47	52 43	58 45	63 48	65 54	63 37	43 30	48 28	62 41	56 42	59 50	55 33		56.9 42.2

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
ATLANTIC CITY WB AIRPORT	NW	15	11.8	38++	ENE	7+	78	81	55	71	1	1	4	1	3	0	10	44	6.2
ATLANTIC CITY	-	-	12.9	51++	W	30	-	-	-	-	-	3	3	0	3	0	-	-	-
LONG BRANCH	W	13	10.8	47	S	30	-	78	57.5	68	2	2	2	2	2	1	11	48	5.8
NEWARK WB AIRPORT	SW	14	11.6	37++	ENE	7	72	76	58	65	2	4	3	2	2	0	13	-	6.5
TRENTON WB CITY	NW†	-	9.8	41	NE†	7	-	-	-	-	2	1	4	3	2	0	12	53	6.7

† TO 8 COMPASS POINTS ONLY
\$ NOON

PLOT #2 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; BARREN. INSTRUMENTATION; BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

- 101 -

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL		
ALLENDALE	0100	BERGEN	8 41 02	74 08	270						BERGEN COUNTY ENGINEERS	MIDLAND PARK	5503	BERGEN	8 40 59	74 09	210					RIDGEWOOD WATER CO.		
ATLANTIC CITY WB AP	0311	ATLANTIC	1 39 27	74 35	58	M10	M10				U.S. WEATHER BUREAU	MILLVILLE	5576	CUMBERLAND	6 39 24	75 03	60	8A	M10				L. J. GALLAGHER	
ATLANTIC CITY	0325	ATLANTIC	1 39 23	74 36	50	M10	M10				J. STATE MARINA	MILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70	M10	M10				FED. AVIATION AGENCY	
AUDUBON	0346	CAMDEN	3 39 54	75 04	50	11P	11P				IRVIN J. NYGREN	MILTON	5597	MORRIS	8 41 01	74 32	950						JERSEY CITY WATER WKS.	
BASS RIVER ST FOREST	0528	BURLINGTON	3 39 37	74 26	20	9A					W.J. FORESTRY SERVICE	NORDEXTON	5728	BURLINGTON	2 39 58	74 58	55	M10	8A				H. J. WILLARD	
BELLERPLAIN STA FOREST	0649	CAPE MAY	3 39 15	74 52	30	5P	5P				BELLEPLAIN STATE FOREST	MORRIS PLAINS 1 W	5769	MORRIS	8 40 50	74 30	400	8A	8A				H. JOSEPH H. GARRIS, 111	
BELMAR 2 SW	0721	MONMOUTH	4 40 09	74 04	40	7A					WALTER J. SCHMACK	NEWARK WB AIRPORT	6026	ESSEX	1 40 42	74 10	11	M10	M10					U.S. WEATHER BUREAU
BEVIDERE	0729	WARREN	4 40 50	75 05	275	7A	7A				CLEMENT HAUPT	NEW BRUNSWICK EXP STA	6042	MIDDLESEX	1 40 28	74 26	86	5P	5P				ARTHUR H. AHLQUIST	
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240	7A					BERNARDS WATER COMPANY	NEW MILFORD	6146	BERGEN	4 40 57	74 02	12	M10					HACKENSACK WATER CO.	
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	21	7A					HENRY M. MILLER	NEW MONMOUTH	6154	MONMOUTH	1 40 25	74 06	30	4P	4P				ST. MARY'S SCHOOL	
BOOMTOWN 1 SE	0907	MORRIS	8 40 54	74 24	280	8A	8A				JERSEY CITY WATER WORKS	NEWTON	6177	SUSSEX	2 41 03	74 45	565	8A	8A				C. H. NEWTON WTR. & SWR. COMM.	
BOUND BROOK 2 W	0927	SOMERSET	10 40 33	74 34	50	9A					AMERICAN CYANAMID CO.	OK RIDGE RESERVOIR	6460	PASSAIC	8 41 02	74 30	870						NEWARK WATER DEPT.	
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	580	7A					ALBERT M. DAVENPORT	OLDWICK	6544	HUNTERDON	10 40 40	74 45	260						OAK A. COUGHLIN	
BURLINGTON	1211	BURLINGTON	3 40 05	74 52	12	6P	6P				PUBLIC SVC. E. & G. CO.	ORANGE	6560	ESSEX	8 40 47	74 13	160	M10					COUNTY ENGINEER	
CANISTEAR RESERVOIR	1327	SUSSEX	8 43 07	74 30	1040	8A					NEWARK WATER DEPARTMENT	PATERSON	6775	PASSAIC	8 40 54	74 09	100	8A	8A				H. P. J. OEL VECCHIO	
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180	8A	9A				COMMONWEALTH WATER CO.	PENBERTON 3 E	6845	BURLINGTON	2 39 58	74 38	80	5P	5P				H. PHILIP E. MARUCCI	
CANTON	1343	SALEM	2 39 28	75 25	20	9A					GERTRUDE S. WILLIS	PHILLIPSBURG	6974	WARREN	2 40 41	75 11	180	3P	3P				H. TOWN OF PHILLIPSBURG	
CAPE MAY 3 W	1351	CAPE MAY	1 38 57	74 58	10	5P	5P				N.W. WEST MAGNETIC CO.	PHILLIPSBURG BRIDGE	6979	WARREN	2 40 42	75 12	200	7A					JOINT TOLL BRIDGE COMM.	
CEAR GROVE	1472	ESSEX	8 40 52	74 33	400	8A					J. A. PLUMCETT	PLAINFIELD	7075	UNION	10 40 38	74 25	120	6P	6P				H. MRS. VIVIAN SCHERER	
CENTERTON	1512	SALEM</																						

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURIC; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey 08608 or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Odelayed data and corrections will be carried only to the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1958.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sum of the negative departures of average daily temperatures from 65° F.

Evaporation is measured to the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and to the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data to the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J to the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

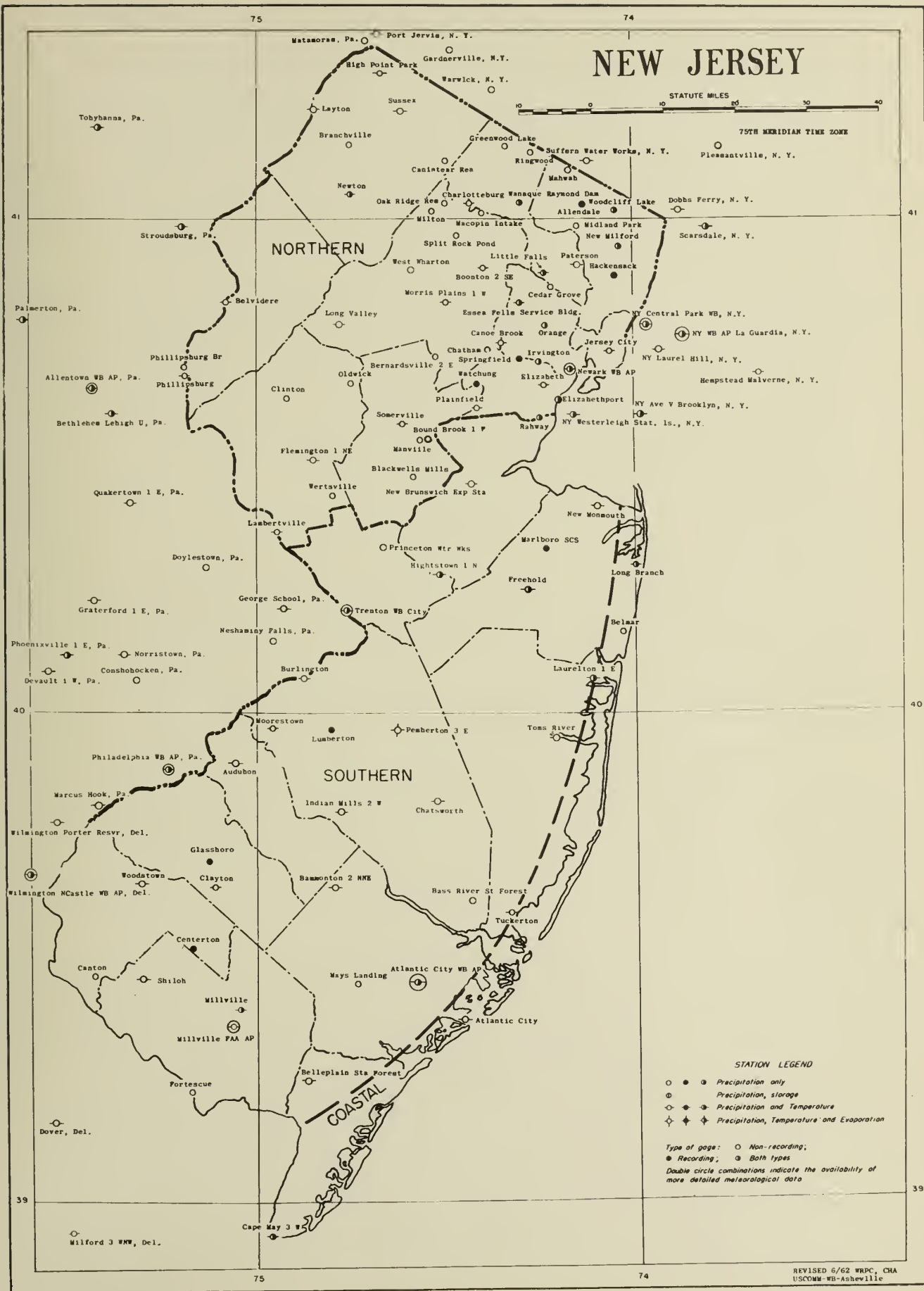
OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found to the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- # Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed to a shelter located on the roof of a building.
- // Gauge is equipped with a windshield.
- AM This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- S Adjusted to a local month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of snow snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record in missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 Annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Resittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402



07.03
JNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

DECEMBER 1963
Volume 68 No. 12



ASHEVILLE: 1964

THE LIBRARY OF THE
APR 7 1964
UNIVERSITY OF ILLINOIS

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 59° on the 9th at Flemington 1 NE
and Hammonton 2 NNE

Lowest Temperature: -16° on the 31st at Layton 2

Greatest Total Precipitation: D 3.06 inches at Elizabeth

Least Total Precipitation: 0.99 inch at Manville

Greatest One-Day Precipitation: 1.23 inches on the 9th at West Wharton

Greatest Reported Total Snowfall: 18.5 inches at Branchville

Greatest Reported Depth of Snow on Ground: 11 inches on the 31st at Greenwood Lake

SPECIAL WEATHER SUMMARY

December was a very cold month in New Jersey. This was the fifth time in the past 9 years with much below normal temperature in Trenton. The week of December 16 through 22 was the coldest week in Trenton since early February 1961. Precipitation was below normal for the month, and much of what did occur came as snow. The snowfall of 6.8 inches in Trenton on the 23d and 24th was the greatest snowstorm in that city since the 7.8 inches which fell on February 4-5, 1961.

During the evening of the 8th, high winds occurred generally over the State, along with some thunderstorm activity. This was in connection with a cold front which

passed over the State from west to east. The greatest damage was reported in the vicinity of the Atlantic City Airport and in the Trenton-Hightstown area. Thunderstorm activity was greatest in central and southern portions of the State, but distant lightning was reported in the extreme north at High Point State Park.

Donald V. Dunlap
Weather Bureau State Climatologist
Weather Bureau Office
Trenton, New Jersey 08608

CLIMATOLOGICAL DATA

NEW JERSEY
DECEMBER 1963

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max. Min.								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										80° or Above	32° or Below	31° or Below	30° or Below											
NORTHERN 01																								
BELVIDERE	34.1	15.7	24.9	- 7.0	53	9	- 6	31	1236	0	12	31	1	2.25	- 1.41	1.17	9	10.9	8	24	5	2	1	
ROADTON 1 SE	33.1	19.4	26.6	- 4.9	54	9	- 5	31	1183	0	12	31	1	1.79	- 1.63	.87	9	12.3	6	24	2	2	0	
CANCE BROOK	36.1	15.7	25.9	- 5.3	55	9	- 10	31	1204	0	11	31	1	1.83	- 1.82	.81	9	9.2	7	24	3	2	0	
CHARLOTTEBURG	32.4	16.7	24.6	- 4.2	53	9	- 9	31	1247	0	31	1	1	2.30	- 1.82	1.03	9	11.3	7	24	5	2	1	
ELIZABETH	36.4	21.4	29.1	- 5.6	57	8	- 4	31	1105	0	10	28	0	3.06	- 1.54	1.00	24		4	24	6	3	1	
ESSEX FIELDS SERV BLDG	33.7	17.5	25.6		53	9	0	31	1213	0	12	31	1	1.93		.80	9	14.0			4	2	0	
FLEMINGTON 1 NE	34.7	16.3	25.6	- 7.7	59	9	- 10	31	1215	0	12	31	2	2.37	- 1.05	1.05	9	9.1	7	28+	5	2	1	
HIGH POINT PARK	30.1	13.4	21.8		48	9+	- 4	31	1333	0	22	31	4	1.75		.87	9		10	25+	3	1	0	
JERSEY CITY	35.2	24.7	30.0	- 4.8	52	8	- 11	21	1077	0	10	25	0	2.05	- 1.24	.79	23				4	2	0	
LAMPERTVILLE	35.4	19.3	27.6	- 6.1	55	8	- 3	31	1153	0	11	29	1	1.78	- 1.60	.88	9	8.0	5	24+	4	1	0	
LAYTON 2	33.0	12.1	22.6		53	9	- 16	31	1337	0	13	31	5	2.47		1.18	9	15.7	10	26+	4	2	1	
LITTLE FALLS	37.1	21.2	29.5	- 4.1	56	9	0	31	1066	0	9	27	1	2.08	- 1.82	.87	9	11.0	9	25+	4	2	0	
LONG VALLEY	33.1	17.2	25.2		52	9	- 10	31	1227	0	13	31	2	2.24	- 1.55	1.03	9				4	2	1	
MORRIS PLAINS 1 W	33.4	17.0	25.4		53	9	- 5	31	1221	0	12	31	1	2.18		1.03	9		6	24	4	2	1	
NEWARK WA AIRPORT	34.5	24.0	29.3	- 5.4	54	8	- 10	20	1190	0	13	27	0	1.97	- 1.25	.74	8	10.7	7	24+	3	2	0	
NEWTON	32.3	15.2	23.8	- 5.9	53	9	- 10	31	1271	0	13	31	1	2.14	- 1.06	1.05	9	13.0	8	25+	5	2	1	
PATERSOON	36.1	22.8	29.5	- 4.6	57	9	- 8	21+	1097	0	12	28	0	2.21	- 1.62	.87	9	10.7	7	27+	5	2	0	
PHILLIPSBURG	37.0	19.2	28.1	- 4.6	50	9	- 5	31	1138	0	9	31	1	2.19	- 1.45	1.08	8	9.0	6	25+	4	2	1	
PLAINFIELD	35.2	20.4	28.1	- 5.9	55	8	0	31	1135	0	13	28	1	2.26	- 1.33	.97	8	11.2	7	24+	3	2	0	
SOMERVILLE	35.1	19.6	27.4	- 5.7	55	8	- 4	31	1159	0	13	29	1	1.71	- 1.62	.91	9	7.5	5	24+	4	1	0	
SUSSEX	32.2	13.5	22.9	- 7.3	53	9	- 12	31	1299	0	13	31	3	1.83	- 1.53	1.02	9				4	1	1	
DIVISION 01			26.4	- 6.0										2.11	- 1.45			10.9						
SOUTHERN 02																								
ATLANTIC CITY WB AP	34.2	23.0	30.5	- 6.1	56	8	9	31	1059	0	9	28	0	2.35	- .87	.90	8	7.6	6	23	4	2	0	
AUDLON	36.4	21.4	29.4		56	8	6	31	1098	0	9	29	0	2.08		.85	23	10.5	7	23	5	2	0	
BELLEPLAIN ST FOREST	39.3	20.7	30.1		57	8	3	31	1073	0	6	30	0	2.95	- .80	.95	9	3.9			7	2	0	
BURLINGTON	37.4	23.0	30.3	- 5.7	56	9+	- 10	31+	1073	0	10	30	0	2.04	- 1.02	1.15	9	5.8	4	24			1	
CHATS WORTH	39.4	18.6	28.7		57	8	- 1	31	1118	0	9	31	1	2.11		.90	9				4	2	0	
FREEHOLD	35.2	20.8	28.4	- 6.3	56	8	3	31	1128	0	11	30	0	1.78	- 1.67	.99	9	8.8	6	24+	5	1	0	
GLASSBORO	36.4	21.5	29.0		56	9	3	31	1108	0	9	30	0	2.14		1.05	9				4	2	1	
HAMMONTON 2 NNE	37.1	21.6	29.4	- 7.7	59	9	3	31	1097	0	9	31	0			.91	9				2	1	0	
HIGHTSTOWN 1 N	35.2	20.6	27.9	- 6.4	56	8	- 4	31	1140	0	12	29	1	1.88	- 1.15	.96	9	10.7	5	25+	5	1	0	
INDIAN MILLS 2 W	35.2	18.4	27.2	- 7.6	58	8	- 5	31	1165	0	11	31	1	2.16	- 1.07	.93	9	8.9	6	23			0	
MILLVILLE	34.2	21.9	30.1		57	9	7	31	1093	0	6	28	0	2.11		.91	8	5.5			4	2	0	
MILLVILLE FAA AIRPORT	36.4	21.3	29.1		56	8	6	31	1106	0	10	28	0	2.30		1.10	8	4.1	3	26+	4	2	1	
MOORESTOWN	35.1	21.1	28.1	- 6.7	56	8	1	31	1134	0	13	31	0	2.06	- .85	1.02	9	8.8	6	24	4	2	1	
NEW BRUNSWICK EXP STA	36.3	21.6	29.0	- 5.2	55	9+	1	31	1111	0	11	28	0	1.92	- 1.25	.91	9	9.0	6	28+	4	1	0	
NEW MONMOUTH	36.3	20.8	28.8		55	9+	1	31	1114	0	10	30	0	2.25		.84	9				5	1	0	
PEMBERTON 3 E	35.6	20.0	27.8	- 7.8	55	8	- 5	31	1144	0	11	31	1	2.23	- .85	.99	9	8.6	7	24+	5	2	0	
SEAPROCK FARMS																								
SHILOH	37.0	23.2	30.1	- 6.0	55	9+	7	31	1074	0	11	29	0	1.74	- 1.32	.90	9				4	1	0	
TOMS RIVER	37.6	19.9	28.8		56	8	- 1	31	1119	0	9	31	1	2.01		.85	9				4	2	0	
TRENTON WB CITY	34.9	23.9	29.4	- 5.8	56	8	- 10	20	1077	0	12	28	0	1.96	- .91	.79	8	10.2	7	23	4	2	0	
TUCKERTON	36.4	18.6	27.7		54	10	6	31+	1150	0	13	30	0			.90	8							
WOODSTOWN	37.2	21.7	29.5		55	8	1	31	1091	0	10	31	0	1.97		1.01	9	7.6	25	14	5	1	1	
DIVISION 02			29.0	- 6.3										2.10	- 1.16			7.1						
COASTAL 03																								
ATLANTIC CITY	37.4	25.9	31.9	- 6.4	54	8	13	20	1020	0	8	27	0	2.20	- 1.28	.86	23				5	2	0	
CAPE MAY 3 W	40.2	25.7	35.0		56	8	12	31	912	0	8	19	0	2.93		.86	14				5	2	0	
LONG BRANCH	35.4	22.1	28.8	- 6.5	54	8	6	31	1117	0	10	29	0	2.10	- 1.53	.74	23	9.5	6	23	4	2	0	
DIVISION 03			31.9	- 5.1										2.41	- .93			9.5						

See Reference Notes Following Station Index

DAILY PRECIPITATION

NEW JERSEY
DECEMBER 1963

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN 01																																	
BELVIDERE	2.25	T	T	.08	T					1.17	T	T	.13	.13					.02	.10	T				.60	T				.02			
BERNARDSVILLE 2 E	2.32	.07		.02						1.07	T		.12	.13					.02	.05					.74	.04				.06			
BLACKWELLS MILLS	1.74			T						.86			.07		.02	.04			.03	.05					.63					.04			
BOONTON 1 SE	1.79	T	T	.05			T			.87	T	T	.04	.08		T			.03	.05	T				.64	T				.03			
BOUND BROOK 2 W	1.61									.89			.05	.10					.10	.03					.42					.02			
BRANCHVILLE	2.19	T		.10						1.07	.02		.15	.21					T	.14					.46	T				.04			
CANISTEAR RESERVOIR	2.33	T		.12	T					1.14	.03		.09	.19					T	.13					.59	.04							
CANOE BROOK	1.63	T		.03						.81	.01		.09	.12		.01			T	.07					.63					.06			
CEADAR GROVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHARLOTTEBURG	2.30			.10						1.03	T		.10	.18					.03	.07					.74					.05			
CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLINTON	2.39	T	.01	T						1.03	T		.10	.07	T				.04	.35					.75					.04			
ELIZABETH	3.06			.04						.80			.60		.08				.10					.24	1.00			0	.20				
ELIZABETHPORT	1.89		.02	.01					.75	.13		.20		.04					.06					.64	.02				.02				
ESSEX FIELDS SERV BLOG	1.93			.05						.80			.12						.04	.25					.63					.04			
FLEMINGTON 1 NE	2.37	T	T	.05						1.05	T		.11	.11	T	T			.03	.10	T				.89					.03			
GREENWOOD LAKE	2.56			.14						1.17	.02		.11	.21					.05	.10					.66					.05			
HIGH POINT PARK	1.75	.25	.02	.07						.87	.03		.05	.06					.02	.04					.24					.09	.01		
JRWINGTON	1.86								.59	.09	T		.27		.05				.15	T					.68	.03			T				
JERSEY CITY	2.05	T	.09	T					.69	.13	T		.20						.05						.79	.03			.07				
LAMBERTVILLE	1.78	T		T						.88			.20		.07				.04						.41	.18			T				
LAYTON 2	2.47	.05	T	.12	T	T	T			1.18	T	T	.07	.16	T				.04	.07	T				.71		.05	T		.02	T		
LITTLE FALLS	2.08	.01		.03						.87	.01		.13	.16	T				.04	.06					.70		.02				.05		
LONG VALLEY	2.24	.17	.02	.08						1.03		.02	.08	.13	.02	T			.02	.13					.58	.03					.03		
MAHWAH	2.16	.03		.13	.02					.86			.08	.25	T				.02	.13													
MAVILLE	.99	T		T						.60			.05	.06	.03				T	.03					.20					.02			
MIDLAND PARK	2.22		.10	T					.72	.10			.33						.13					.59	.19				.06				
MILTON	2.73			.26						1.11	.05		.04	.28					.35						.50	.08				.06			
MORRIS PLAINS 1 W	2.18	.05		.06			T			1.03	.02	T	.11	.12		T			.04	.06					.63	.01	T			.05	T	T	
NEWARK WB AIRPORT	1.97	T	.03	T					.74	.09	T		.22	.06	T				.09	T		T			.65	.04			.05				
NEW MILFORD	1.99		.13	.01					.61	.14			.28						.12						.49	.11				.10			
NEWTON	2.14	T		.11						1.05	.03	T	.11	.10	.05				.04	.07					.50	.04				.04			
OAK RIDGE RESERVOIR	2.27			.11						1.11	.02		.08	.19					T	.08					.59	.06				.03			
OLTHICK	2.38	T	T	.03						.93	T	T	.09	.06		T			.50	.04					.70					.03			
ORANGE	1.31		.07	.04						.83			.23			.03			.08	.03													
PATERSON	2.21	T		.08	T					.87			.23	.14	T				.04	.06					.64		.04	T		.11			
PHILLIPSBURG	2.19								1.08				.24						.22						.65								
PHILLIPSBURG BRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.65								
PLAINFIELD	2.26	T	.01						.97	T	T		.21		.07				.08						.87	T			.05				
RAHWAY	1.59								.82	.13			.17						.04						.40				.03				
RINGWOOD	2.22			.10	T					1.02	T		.20	.09					.06	.04					.32	.68		.02	T		.01		
SHERBURNVILLE	1.71		T							.91			.18		.05				.05						.20			T		.11			
SPLIT ROCK POND	1.87			.15						.98															.52								
SUSSEX	1.83	T		.11	T		T			1.02	.03		.07	.13					.11						.47		</						

DAILY TEMPERATURES

NEW JERSEY
OCTOBER 1963

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTH-ERN 01																																	
8FLVIDERE	MAX	38	37	35	37	40	38	44	46	53	40	37	36	27	36	33	28	25	29	27	25	24	22	37	28	36	38	44	23	34	32	26	34.0
	MIN	23	20	23	27	25	29	26	22	22	27	28	21	20	22	11	10	11	12	14	4	3	6	11	14	18	16	16	8	3	2	-6	15.7
8CONTON 1 SE	MAX	38	35	36	37	38	40	42	48	54	40	37	36	29	37	34	26	24	27	27	26	23	24	35	27	35	37	44	25	35	30	23	33.8
	MIN	25	22	22	29	27	28	29	23	32	30	28	22	19	25	15	16	11	12	18	8	7	7	17	18	24	19	23	19	17	13	-5	19.4
CANOE BROOK	MAX	40	36	38	38	40	41	43	49	55	43	38	37	29	38	33	29	27	31	28	29	27	30	40	28	39	40	46	25	40	35	26	36.1
	MIN	21	20	24	28	23	28	28	22	27	28	28	21	14	25	12	8	12	13	10	4	4	8	9	16	19	15	19	5	2	4	-10	15.7
CHARLOTTEBURG	MAX	35	33	34	35	35	37	42	48	53	39	35	33	34	38	32	24	22	26	25	22	21	24	33	26		37	43	23	34	30	20	32.4
	MIN	22	22	22	27	25	27	29	24	25	27	25	19	17	25	11	12	12	13	15	5	4	4	14	16		20	19	13	5	10	-9	16.7
ELIZABETH	MAX	37	40	40	42	44	45	49	57	55	41	39	33	37	34	30	28	32	28	29	24	22	38	31	37	38	44	38	38	34	27	30	36.8
	MIN	24	24	36	30	27	36	32	28	34	30	29	25	21	28	14	14	15	19	18	8	10	12	18	21	23	19	26	14	12	12	4	21.4
ESSEX FELL5 SERV B'LOG	MAX	37	35	33	36	38	39	42	47	53	40	37	35	28	35	33	26	24	27	27	26	24	25	36	27	35	37	46	29	35	30	23	33.7
	MIN	21	21	23	28	24	30	31	24	30	29	27	22	15	26	11	12	10	12	14	3	5	5	14	19	17	20	21	10	9	10	0	17.5
FLEMINGTON 1 NE	MAX	40	35	38	39	39	43	48	50	59	41	39	35	30	37	33	26	25	27	30	25	22	22	35	30	36	37	45	29	35	30	22	34.9
	MIN	19	20	22	26	25	29	25	21	25	29	29	22	16	16	11	14	15	15	18	6	6	10	10	19	20	14	17	12	0	3	-10	16.3
HIGH POINT PARK	MAX	32	30	31	30	32	37	46	48	48	35	33	29	23	28	28	20	18	24	22	20	19	19	30	30	26	39	41	35	29	27	24	30.3
	MIN	15	17	24	22	20	24	25	26	28	23	20	14	15	23	6	8	8	11	10	-1	-3	-1	18	10	10	16	10	10	10	2	-4	13.4
JERSEY CITY	MAX	35	39	38	40	43	43	47	52	40	38	36	35	36	37	28	26	28	28	29	25	22	36	37	37	37	43	33	37	32	25	28	35.2
	MIN	28	28	33	31	34	36	37	37	32	33	29	26	27	21	17	18	17	20	16	12	11	21	21	23	31	27	24	23	21	18	14	24.7
LAMBERTVILLE	MAX	37	39	39	41	42	46	49	55	54	40	38	32	37	34	28	27	30	29	27	25	23	36	28	36	38	45	33	36	33	25	28	35.8
	MIN	23	22	33	29	24	29	26	23	33	30	28	23	17	25	13	11	13	13	17	7	12	9	13	23	30	18	20	15	8	13	-3	19.3
LAYTON 2	MAX	34	35	34	35	38	36	41	47	53	40	37	34	25	35	34	27	25	29	25	28	25	23	36	24		38	45	21	30	34	23	33.0
	MIN	15	16	25	26	22	26	25	21	22	26	26	19	18	23	7	4	2	2	3	-7	-5	4	10	10	14	23	18	1	-2	-3	-16	12.1
LITTLE FALLS	MAX	40	36	39	47	40	42	43	50	56	42	40	38	32	39	36	30	28	31	30	29	28	38	40	30	40	40	50	36	39	34	27	37.7
	MIN	25	24	33	33	27	32	34	26	34	30	29	22	17	28	15	15	16	18	20	7	8	10	16	22	27	26	24	12	12	14	0	21.2
LONG VALLEY	MAX	35	33	34	36	37	38	44	45	52	39	36	34	30	37	32	25	24	26	27	25	21	23	35	28	35	36	42	30	34	29	24	33.1
	MIN	20	18	32	26	24	30	25	20	30	28	28	21	16	25	11	13	10	17	20	5	10	10	10	23	19	13	26	8	0	6	-10	17.2
MORRIS PLAINS 1 W	MAX	39	34	35	37	38	39	43	48	53	40	36	36	30	37	33	26	24	28	27	27	24	25	35	27	35	37	43	25	35	30	23	33.8
	MIN	23	20	21	28	25	28	27	22	25	28	27	20	18	26	12	12	8	12	17	2	7	8	12	19	23	15	21	11	8	8	-5	17.0
NEWARK WB AIRPORT	MAX	36	39	38	39	43	43	49	54	46	38	36	31	36	35	27	26	29	27	26	23	21	35	29	35	37	42	32	35	32	25	25	34.5
	MIN	27	26	34	31	32	37	37	33	31	31	29	24	24	21	15	16	17	20	15	10	11	20	24	26	30	24	25	23	18	18	14	24.0
NEWTON	MAX	35	40	35	35	35	38	40	45	53	32	35	33	25	37	33	24	23	27	27	25	23	25	34	25	34	37	43	20	33	30	21	32.3
	MIN	22	22	27	27	24	28	24	22	24	27	26	20	12	24	11	12	9	13	12	3	4	5	8	11	14	22	16	4	3	6	-10	15.2
PATERSON	MAX	39	36	39	39	41	42	44	50	57	43	39	38	30	36	35	30	27	30	28	28	26	32	38	31	38	40	45	27	38	26	26	36.1
	MIN	26	26	30	31	31	34	36	30	35	30	29	23	22	28	15	16	17	17	20	8	8	10	18	24	29	26	24	20	19	16	9	22.8
PHILLIPSBURG	MAX	39	39	38	40	40	45	48	47	50	49	47	36	36	36	29	27	27	29	28	23												

DAILY TEMPERATURES

NEW JERSEY
DECEMBER 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SFABROOK FARMS	MAX MIN																																
SHILOH	MAX MIN	45 34	42 24	42 32	42 30	42 25	45 30	47 29	55 31	55 32	40 31	39 33	39 26	38 28	37 29	32 15	28 17	29 16	32 18	28 19	25 10	25 15	34 14	32 18	34 22	36 27	45 21	41 26	36 27	31 18	25 15	26 7	37.0 23.2
TOMS RIVER	MAX MIN	42 23	43 19	45 32	40 29	44 17	49 31	49 26	56 24	52 32	41 29	36 30	43 23	43 25	38 30	30 14	32 14	27 12	32 12	29 19	23 9	20 10	35 5	34 12	35 25	38 28	49 21	35 22	36 17	36 14	25 15	29 -	37.6 19.9
TRENTON WB CITY	MAX MIN	36 28	41 27	39 36	39 30	42 32	46 34	49 34	56 32	44 32	40 31	37 29	32 27	36 27	35 18	27 15	25 17	27 17	29 21	25 13	23 10	22 14	34 20	30 23	33 25	37 31	47 24	34 25	35 24	31 19	24 16	27 11	34.9 23.9
TUCKERTON	MAX MIN	42 21	48 22	47 36	43 29	44 30	48 26	46 24	48 29	50 25	54 22	47 25	42 28	40 22	32 14	27 12	28 16	31 17	26 23	25 20	26 15	25 12	29 9	35 6	36 12	38 16	44 15	34 12	29 9	32 12	24 6	21 1	36.8 18.6
WOODSTOWN	MAX MIN	41 26	44 23	42 31	43 29	42 23	46 30	49 26	55 29	54 30	41 30	41 31	38 27	39 26	38 26	29 14	28 17	28 17	32 16	28 19	24 9	25 14	34 12	34 15	35 28	37 26	46 25	38 22	35 26	32 11	29 15	26 1	37.2 21.7
COASTAL 03	MAX MIN																																
ATLANTIC CITY	MAX MIN	40 27	46 30	44 36	40 30	42 29	48 34	48 29	54 42	45 31	41 31	37 30	45 32	40 33	38 20	29 18	28 18	30 18	34 24	26 16	26 13	25 18	36 17	40 22	38 28	39 32	44 29	42 29	38 25	35 24	26 20	28 18	37.8 25.9
CAPE MAY 3 W	MAX MIN	44 36	44 27	47 40	42 37	47 32	45 38	48 38	56 43	55 39	45 36	42 36	45 31	45 33	41 34	36 23	30 21	30 20	35 26	31 19	28 22	26 19	32 22	34 19	42 29	38 33	45 32	45 30	45 25	40 28	32 22	30 12	40.2 29.7
LONG BRANCH	MAX MIN	36 27	43 24	41 35	39 27	44 24	46 36	47 32	54 30	46 31	39 31	35 29	42 27	37 26	34 19	26 14	25 14	27 16	30 19	25 12	23 8	20 11	34 14	36 20	35 23	37 29	45 24	35 25	34 19	31 17	23 15	28 6	35.4 22.1

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1-00 AM EST	7-00 AM EST	1-00 PM EST	7-00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
ATLANTIC CITY WB AIRPORT	WNW	23	10.6	30++	NW	16+	75	78	59	69	1	4	2	2	0	0	9	48	5.4	
ATLANTIC CITY	NW	-	14.1	40++	SE	8	-	-	-	-	-	3	3	2	0	0	-	-	-	
LONG BRANCH	NW	13	12.0	50	SE	8	-	78	58	66	3	1	2	2	2	2	12	64	5.2	
NEWARK WB AIRPORT	WNW	19	11.0	40++	SSW	8	69	73	61	64	5	6	1	2	0	0	14	-	5.5	
TRENTON WB CITY	W*	-	8.9	29	SE*	8	-	-	-	-	5	4	2	2	0	0	13	65	5.3	

* TO 8 COMPASS POINTS ONLY

SNOWFALL AND SNOW ON GROUND

NEW JERSEY
DECEMBER 1963

Station		Day of month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
NORTHERN D1																																			
RELVIDERE	SNOWFALL SN DN GND	T	T	0.8 T	T		T				T	T	1.7 2	1.5 3	2		2	2	2	0.2 2	1.0 3	T	3	3	3	2	5.5 8	T	7	7	6	0.2 6	6	6	6
CHARLOTTEBURG	SNOWFALL SN ON GND			1.0 1	T					T	T		1.0 1	1.5 2	1	1	1	1	0.3 1	1.0 1	1	1	1	1	1	6.0 7	6	6	5	0.5 6	5	5	5	5	
FLEMINGTON 1 NE	SNOWFALL SN DN GND	T	T	T T							T		1.0 1	0.8 2	T	T	1	1	1	0.3 1	0.5 2	T	2	2	2	1	6.0 7	7	7	7	0.5 7	6	6	6	
LAMBERTVILLE	SNOWFALL SN DN GND	T									T		1.5 1	0.5 1	1	T	T	T	0.5 1	1	T	T	T	T	5.0 5	0.5 5	4	3	T	3	3	3	3	3	
LITTLE FALLS	SNOWFALL SN DN GND												1.5 2	1.0 3	3	2	2	1	0.5 2	1.0 3	3	2	2	2	2	7.0 9	T	9	8	8	T	8	6	6	6
LONG VALLEY	SNOWFALL SN DN GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MORRIS PLAINS 1 W	SNOWFALL SN DN GND	2.0 T		1.0 1	T	T	T				0.5 1	T	1.0 1	2.0 2	-	-	-	-	0.5 1	1.5 2	-	-	-	-	6.0 6	-	-	-	-	-	T	-	-	-	
NEWARK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T	T							T	T		1.6 1	0.3 1	1	1	1	1	1.0 T	T	1	1	1	1	7.0 T	0.4 6	5	4	0.4 5	3	3	3	3	3	
NEWTON	SNOWFALL SN DN GND	T		1.3 1							0.5 T	T	1.0 1	0.7 2	0.5 2	1	1	1	0.5 1	0.5 2	2	1	1	1	7.0 8	0.5 8	7	7	0.5 7	6	6	6	6	6	
PATERSON	SNOWFALL SN ON GND	T		T	T					T			1.7 2	0.7 1	1	1			0.7 1	0.7 2	1	1			5.9 7	0.3 7	T	7	T	0.7 7	6	6	5		
PHILLIPSBURG	SNOWFALL SN ON GND												2.0 2	T	T				1.0 1	1	T			T	6.0 6	6	5	4	3	3	3	3	2		
PLAINFIELD	SNOWFALL SN DN GND	T	T							T	T		2.0 2	0.7 2	1	1	1	1	1.0 2	1	1	1	1	7.0 7	T	7	6	0.5 6	5	5	4	4	4	4	
RAHWAY	SNOWFALL SN DN GND												1.3 1	0.2 1	T	T	T		1.7 2	1	1	1	1	7.4 7	5	5	5	0.5 6	5	4	3	3	3		
SOMERVILLE	SNOWFALL SN DN GND												1.0 1	0.5 1	1				0.5 1	1	1	1	1	4.5 5	1.0 5	5	4	4	T	4	4	4	-		
WANAQUE RAYMOND OAM	SNOWFALL SN DN GND			0.5 1									1.5 2	2.5 2	2	2	2	2	1.0 2	2	2	2	2	2	7.0 8	0.3 6	6	6	T	6	6	6	6	6	
SOUTHERN D2																																			
ATLANTIC CITY WB AP	SNOWFALL SN ON GND WTR EQUIV									T			0.1 T	0.8 T					0.7 T	1	T	T	T	6.0 T	3 3	2 2	1								
BASS RIVER ST FOREST	SNOWFALL SN DN GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5 T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FREEHOLD	SNOWFALL SN ON GND												0.7 T	1.7 2	2	2	2	1	0.5 2	2	1	1	1	5.5 6	0.2 6	5	4	0.2 4	3	3	3	3	2		
HIGHTSTOWN 1 N	SNOWFALL SN DN GND	T								T			1.5 1	2.0 T	2	2	2	2	1.0 3	T	2	2	2	1	4.5 5	1.5 5	5	3	0.2 3	3	3	3	3	3	
INDIAN MILLS 2 W	SNOWFALL SN DN GND												1.0 T	1.0 T	T	T	T		0.4 T	T	T	T	T	6.5 6	T	4	4	T	2	2	2	2	2		
MAYS LANDING	SNOWFALL SN DN GND												T	T	T				T					4.0 3	2	1	T								
MILLVILLE	SNOWFALL SN DN GND	-	-	-	-	-	-	-	-	-	-	-	T	T					1.0 T	-	-	-	-	4.5 T	-	-	-	-	-	-	-	-	-		
MILLVILLE FAA AIRPORT	SNOWFALL SN DN GND												T	T					0.1 T	T				4.0 T	3	3	3	1	1	1	1	T			
MORRISTOWN	SNOWFALL SN DN GND												2.0 2	0.3 1	0.2 T	T	T	T	T	0.3 T	T	T	T	T	6.0 6	5	5	4	3	3	3	3	2		
NEW BRUNSWICK EXP STA	SNOWFALL SN ON GND												1.5 1	0.5 1					0.7 T	T	1	1	1	3.0 3	2.8 5	5	5	0.5 6	6	4	4	4	4		
PEMBERTON 3 E	SNOWFALL SN ON GND												1.0 T	0.5 T	T	T			0.3 1	1	1	1		6.8 7	7	6	4	T	3	2	2	2	2		
TRENTON WB CITY	SNOWFALL SN DN GND	T									T		1.6 1	1.4 T	T	T	T	T	0.3 T	T	T	T	T	6.6 6	0.2 6	4	3	0.1 3	2	2	2	1	1		
COASTAL D3																																			
LONG BRANCH	SNOWFALL SN ON GND										T		1.0 2	1.5 2	2	1	1		0.8 2	T	2	1	1	1	6.0 6	T	5	4	0.2 4	3	3	3	3	3	

See reference notes following Station Index.

DAILY SOIL TEMPERATURES

NEW JERSEY
DECEMBER 1963

STATION AND DEPTH		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RUTGERS MICRO MET																																	
PLOT #1																																	
1 INCH	MAX MIN	43 39	41 37	43 41	42 38	42 38	42 32	44 33	45 37	42 38	40 37	40 36	37 35	35 30	37 34	34 32	32 31	31 31	31 31	31 31	31 31	31 31	30 30	31 30	31 30	31 30	31 31	32 31	32 32	32 32	32 32	32 32	35.9 33.4
2 INCHES	MAX MIN	43 40	41 38	43 41	41 39	42 38	42 40	43 39	45 37	42 38	39 37	39 36	37 36	37 37	38 37	35 32	32 31	31 31	31 31	31 31	31 31	31 30	30 30	30 31	31 30	31 31	31 31	32 32	32 33	33 32	32 32	32 32	36.0 34.3
4 INCHES	MAX MIN	43 42	42 40	43 42	42 40	42 39	41 41	42 39	42 40	42 39	40 39	39 38	38 37	38 37	38 37	37 34	33 33	33 33	33 33	33 32	32 32	32 31	32 32	31 32	32 31	32 32	32 33	34 34	34 34	34 34	34 34	36.9 35.9	
8 INCHES	MAX MIN	46 43	43 42	44 43	43 42	43 41	43 42	43 42	43 41	43 42	42 41	41 40	40 39	39 39	39 38	38 36	35 35	35 34	35 34	35 34	35 34	34 34	34 34	34 33	33 33	33 33	33 33	34 33	34 34	35 35	35 35	35 34	38.3 37.3
16 INCHES	MAX MIN	49 47	47 46	46 46	46 45	45 45	45 44	45 44	45 44	44 44	44 43	43 43	42 42	42 41	41 40	40 39	39 39	39 38	38 37	38 37	37 37	37 37	37 37	37 37	37 36	36 36	36 36	37 37	37 37	37 37	37 37	37 37	40.9 40.4
32 INCHES	MAX MIN	50 50	50 50	50 49	49 48	48 48	47 47	47 47	47 47	46 46	46 46	46 46	45 45	45 45	44 44	44 43	43 42	42 42	42 41	41 40	40 40	40 40	40 40	40 40	40 40	40 40	40 40	40 39	40 40	40 40	40 40	44.3 43.9	
PLOT #2																																	
1 INCH	MAX MIN	36 32	35 31	41 34	38 33	41 32	43 29	45 26	46 32	41 32	38 32	36 32	32 31	31 31	31 31	31 31	31 27	29 26	29 26	29 26	27 25	26 24	29 24	29 25	29 25	30 29	30 28	30 29	29 27	28 25	26 23	27 21	33.2 28.6
2 INCHES	MAX MIN	36 32	35 32	40 34	38 33	40 32	42 30	44 33	45 32	41 33	38 32	36 32	32 31	31 31	31 31	31 28	29 27	29 27	29 27	27 26	27 25	29 25	29 25	29 25	30 29	30 28	30 29	29 28	29 26	28 23	26 21	27 21	33.0 29.1
4 INCHES	MAX MIN	37 34	35 33	40 35	38 34	40 33	41 35	43 35	43 34	41 34	37 34	36 33	32 32	32 32	32 32	32 30	30 30	30 29	30 29	28 28	27 27	29 27	29 27	30 27	30 29	30 29	30 29	30 29	29 29	28 28	26 24	30 30	33.2 30.9
8 INCHES	MAX MIN	39 38	38 36	40 37	38 36	38 36	40 38	41 38	43 37	43 38	37 37	35 34	35 34	34 34	34 34	34 33	33 32	32 32	32 32	32 31	31 31	31 31	31 30	31 30	31 30	31 30	31 30	31 30	31 31	31 31	31 30	30 30	34.8 33.6

MAX AND MIN TEMPERATURES ARE FOR THE 24 HOUR PERIOD ENDING AT MIDNIGHT.

PLOT #1 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; KENTUCKY BLUEGRASS. INSTRUMENTATION; COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIC POTENTIOMETER.

PLOT #2 - SLOPE OF GROUND; FLAT. SOIL TYPE; LOAM. GROUND COVER; BARREN. INSTRUMENTATION; BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

CLIMATOLOGICAL DATA

NEW JERSEY
DELAYED DATA

Station	Temperature												Precipitation												
	Average Maximum	Average Minimum	Average	Departure from Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
										90° or Below	80° or Below	70° or Below	60° or Below											50° or Below	40° or Below
JUNE 1963																									
GLASSBORO	82.5M	60.9M	71.7M		98	28	47	22	13	6	0	0	0	2.77		1.06	11	.0	0		4	3	1		

DAILY PRECIPITATION

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JUNE 1963																																
BELMAR 2 SW GLASSBORO	.30 2.77		T	.93				T	.09		.50	1.06				.01						.18										.30
JULY 1963																																
BELMAR 2 SW	1.10		T				.50						T								T				.40							.20
NOVEMBER 1963																																
BELMAR 2 SW	6.80				T	2.90	1.10	.80	T									T						.50					T	1.50		

DAILY TEMPERATURES

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JUNE 1963																																	
GLASSBORO	MAX MIN					82 62	83 66	86 71	85 57	71 61	81 67	90 55	72 59	66 53	75 58	72 64	70 64	78 53	81 59	86 61	87 59	86 63	70 47	78 51	86 54	91 60	95 61	97 67	98 70	97 73	83 69	82.5 60.9	

STATION INDEX

NEW JERSEY
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL	
ALLENDALE	0100	BERGEN	8 41 02	74 08							BERGEN COUNTY ENGINEERS	HIGHLAND PARK	5903	BERGEN	8 40 59	74 09	210					RIDGEWOOD WATER CO.	
ATLANTIC CITY WB AP	0312	ATLANTIC	1 39 27	74 35	270						U.S. WEATHER BUREAU	HILLVILLE	5576	CUMBERLAND	6 39 24	75 03	60					L. J. GALLAGHER	
ATLANTIC CITY	0313	ATLANTIC	1 39 23	74 26	11						STATE MARINA	HILLVILLE FAA AIRPORT	5581	CUMBERLAND	6 39 22	75 04	70					FED. AVIATION AGENCY	
AUDUBON	0346	CAMDEN	2 39 54	75 04	50						IRVIN J. NYGREN	WILTON	5597	MORRIS	8 41 01	74 32	950					JERSEY CITY WATER WKS.	
BASS RIVER ST FOREST	0528	BURLINGTON	1 39 37	74 26	20						N.J. FORESTRY SERVICE	MOORESTOWN	5728	BURLINGTON	2 39 58	74 58	55					H. J. WILLARD	
BELLEPLAIN STA FOREST	0690	CAMPE WY	1 39 15	74 52	30						BELLEPLAIN STATE FOREST	MORRIS PLAINS 1 W	5769	MORRIS	8 40 50	74 30	400					H. JOSEPH M. GARRIS; 111	
BELMAR 2 SW	0721	MONMOUTH	1 40 09	74 04	40						WALTER J. SCHANK	NEWARK WB AIRPORT	6026	ESSEX	1 40 42	74 10	11					U.S. WEATHER BUREAU	
BELVIDERE	0729	WARREN	7 40 50	75 05	275						CLEMENT HAUP	NEW BRUNSWICK EXP STA	6062	MIDDLESEX	10 40 28	74 26	86					ARTHUR H. ANDRUS	
BERNARDSVILLE 2 E	0797	SOMERSET	8 40 43	74 32	240						BERNARDS WATER COMPANY	NEW MILFORD	6146	BERGEN	4 40 57	74 02	12					HACKENSACK WATER CO.	
BLACKWELLS MILLS	0847	SOMERSET	10 40 29	74 35	27						HERNAN M. MILLER	NEW MONMOUTH	6154	MONMOUTH	1 40 25	74 06	30					MRS. MARYS SCHOOL	
BOONTON 1 SE	0907	MORRIS	8 40 54	74 24	280						JERSEY CITY WATER WORKS	NEWTON	6177	SUSSEX	2 41 03	74 45	565					NEWTON WTR. + SWP. COMM.	
BOUND BROOK 2 W	0927	SOMERSET	10 40 33	74 34	50						AMERICAN CYANAMID CO.	OAK RIDGE RESERVOIR	6465	PASSAIC	8 41 02	74 30	870					NEWARK WATER DEPT.	
BRANCHVILLE	0978	SUSSEX	5 41 09	74 45	880						ALBERT M. DAVENPORT	OLDWICK	6544	HUNTERDON	10 40 40	74 45	260					SAN A. CUDGILL	
BURLINGTON	1211	BURLINGTON	2 40 05	74 52	12						PUBLIC SVC. E. + G. CO.	ORANGE	6560	ESSEX	8 40 47	74 13	160					COUNTY ENGINEER	
CARLISLE RESERVOIR	1327	SUSSEX	8 41 07	74 30	1040						NEWARK WATER DEPARTMENT	PATERSON	6775	PASSAIC	8 40 54	74 09	100					H. P. J. DEL VECCHIO	
CANOE BROOK	1335	ESSEX	8 40 45	74 21	180						COMMONWEALTH WATER CO.	PERCHENTON 3 E	6843	BURLINGTON	2 39 58	74 36	80					PHILIP E. MARUCCI	
CANTON	1343	SALEM	2 39 28	75 25	20						GERTRUDE S. WILLIS	PHILLIPSBOURG	6974	WARREN	2 40 41	75 11	180					H. TOWN OF PHILLIPSBOURG	
CAPE MAY 3 W	1451	CAPE MAY	1 38 57	74 58	170						N. WEST MAGNETITE CO.	PHILLIPSBOURG BRIDGE	6979	WARREN	2 40 42	75 12	200					JOINT TOLL BRIDGE COMM.	
CEAR GROVE	1472	ESSEX	8 40 52	74 13	400						J. A. PLUNKETT	PLAINFIELD	7075	UNION	10 40 36	74 25	120					MRS. VIVIAN SCHERER	
CERTON	1512	SALEM	6 39 31	75 10	80						JOHN HOPKINS UNIV.	PLAINFIELD WATER WORKS	7328	MERCER	10 40 20	74 40	60					PRINCETON WATER CO.	
CHARLOTTEBURG	1582	PASSAIC	8 41 02	74 26	760						NEWARK WATER DEPT.	RAHWAY	7393	UNION	9 40 36	74 16	20					RAHWAY VLY. SWG. AUTH.	
CHATHAM	1590	MORRIS	8 40 44	74 23	185						EDWARD P. MOLITOR	RINDWOOD	7587	PASSAIC	8 41 08	74 36	305						NO. JERSEY WTR. SUPPLY
CHATSORTH	1598	BURLINGTON	1 39 49	74 32	100						EARL M. KERCHNER	RUTGERS MICRO-MET STA	7831	MIDDLESEX	10 40 29	74 26	125						RUTGERS STATE UNIV.
CLINTON	1749	HUNTERDON	10 40 38	75 55	200						ANDREW F. ORDOPE	SEABROOK FARMS	7936	CUMBERLAND	2 39 30	75 14	90						SEABROOK FARMS CO.
ELIZABETH	2644	UNION	8 40 38	74 12	10						UNION CO. PARK COMM.	SHILOH	8051	CUMBERLAND	2 39 28	75 14	120						EVERETT DICKINSON
ELIZABETHPORT	2652	UNION	8 40 38	74 12	10						SEWAGE TREATMENT PLANT	SOMERVILLE	8194	SOMERSET	10 40 35	74 37	90						H. W. E. HAYES
ESSEX FIELDS SERV BLDG	2768	ESSEX	8 40 50	74 17	340						BOROUGH ESSEX FIELDS	SPLIT ROCK POND	8402	MORRIS	8 40 58	74 28	800						JERSEY CITY D. P. W. W.
FLEMINGTON 1 NE	3029	HUNTERDON	10 40 31	74 31	140						DONALD YOUNG	SPRINGFIELD	8423	UNION	1 40 43	74 18	90						UNION COUNTY ENGINEER
FORTESCUE	3102	CUMBERLAND	2 39 14	75 10	5						JOHN LOPER	SUSSEX	8644	SUSSEX	5 41 13	74 37	440						BRICE B. STANTON
FREEDHOLD	3181	MONMOUTH	10 40 15	74 17	194						FRANK J. MOREAU	TOMES RIVER	8816	OCEAN	1 39 57	74 13	10						TOMES RIVER WATER CO.
GLASSBORO	3291	GLoucester	2 39 42	75 07	135						GLASSBORO STATE COLLEGE	PRENTON WB CITY	8883	MERCER	2 40 13	74 46	56						U.S. WEATHER BUREAU
GREENWOOD LAKE	3516	PASSAIC	8 41 09	74 20	660						GEORGE T. WIGGINS	TUCKERTON	8899	OCEAN	1 39 34	74 20	10						SCOTT HATHIS
HACKENSACK	3572	BERGEN	74 03	74 30	10						INACTIVE 7/15/63	WANAQUE RAYMOND OAM	9187	PASSAIC	8 41 03	74 18	320						H. WATER SUPPLY COMM.
HAMMONTON 2 NNE	3662	ATLANTIC	7 39 39	74 48	85						W. HUBBARD PARKHURST	WATCHUNG	9271	UNION	10 40 40	74 25	260						UNION COUNTY ENGINEER
HIGH POINT PARK	3955	SUSSEX	8 41 17	74 31	100						DEPT. OF CONS.	WENDEL	9423	UNION	10 40 27	74 48	160						ROBERT M. HANNERS
HIGHTSTOWN 1 N	3951	MERCER	10 40 17	74 31	100						JAMES R. PICKERING	WEST WHARTON	9608	MORRIS	8 40 54	74 36	680						N.J. POWER + LIGHT CO.
INLAN MILLS 2 W	4229	BURLINGTON	7 39 48	74 47	100						H. EDWARD ENTWISTLE	WOODCLIFF LAKE	9832	BERGEN	4 41 01	74 03	103						HACKENSACK WATER CO.
IRVINGTON	4602	ESSEX	10 40 17	74 15	90						JOINT MEETING GARAGE	WOODSTOWN	9910	SALEM	2 39 39	75 19	50						CREAM VALLEY DAIRY
JERSEY CITY	4339	HUNSON	1 40 44	74 03	135						JERSEY CITY WATER DEPT.												
LAMBERTVILLE	4635	HUNTERDON	2 40 22	74 57	75						H. E. + CASE												
LAYTON 2	4736	SUSSEX	2 41 15	74 52	390						CHARLES KOONS												
LITTLE FALLS	4887	PASSAIC	8 40 53	74 14	150						PASSAIC VLY. WTR. COMM.												
LONG BRANCH	4987	MONMOUTH	10 40 18	74 03	20						H. J. WILLIAM D. MARTIN, JR.												
LONG VALLEY	5003	MORRIS	10 40 47	74 47	530						H. MISS PEARL HINSHAW												
LUBERTON	5055	BURLINGTON	2 39 58	74 48	25						JACK LAWTON												
MACOPIN INTAKE	5071	PASSAIC	8 41 01	74 24	594						INACTIVE 1/61												
MAHAM																							

1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-RACKENSACK; 5-HUDSON; 6-AURICE; 7-MULLICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at Weather Bureau Office, c/o General Delivery, Trenton, New Jersey 08606 or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degrees for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Table", "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- # Thermometers are generally exposed to a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation is 1:00 a.m., E.S.T., the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks, and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402

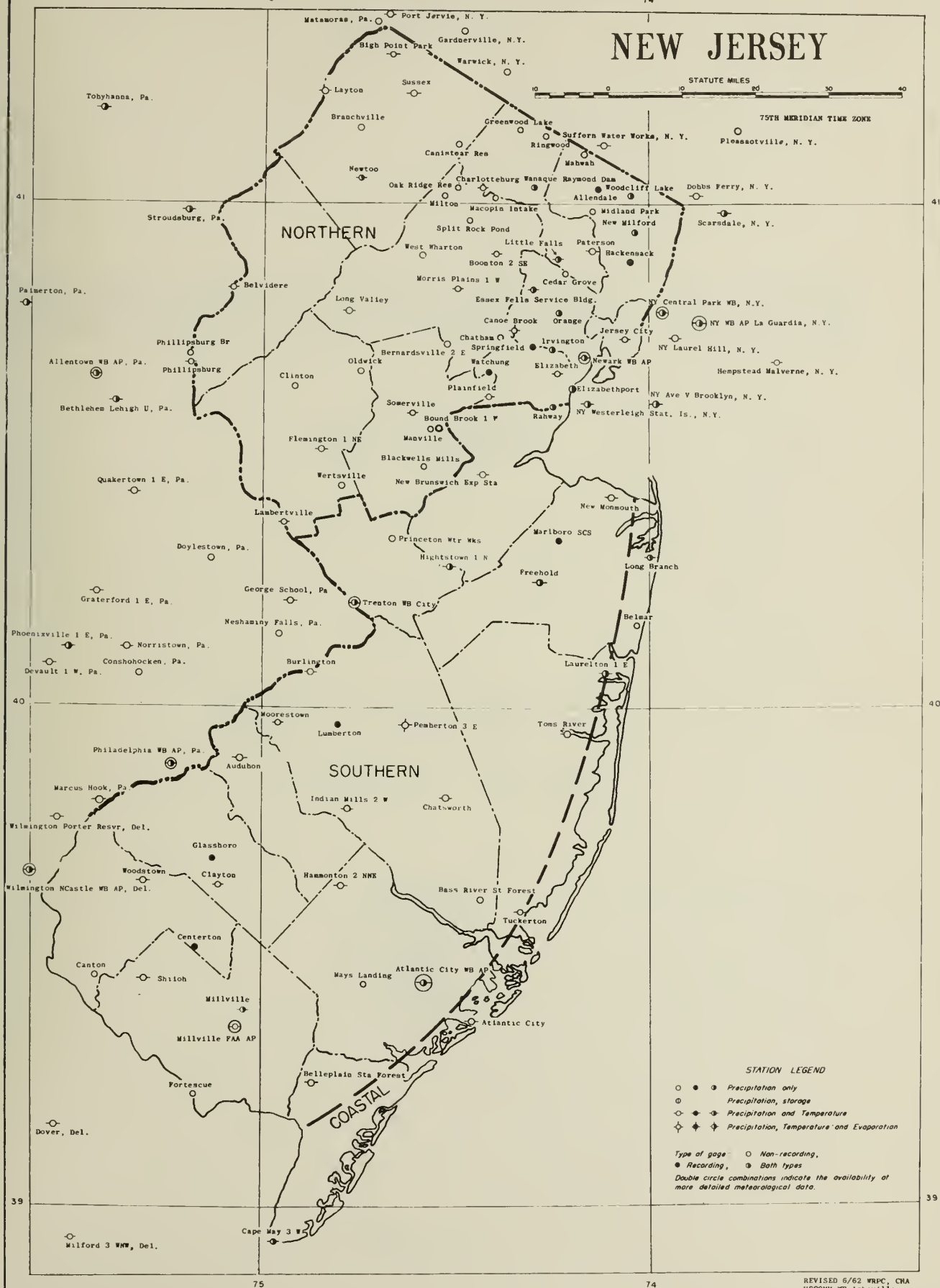
CORRECTIONS

April through October 1963	Station Index	Long Valley	Change Temperature observation time from 7 P.M. to A.M.
May 1963	Climatological Data Table	High Point Park	Correct as follows: Total precipitation missing; days with .10 or more missing; .50 or more missing; Northern Division average 2.91; departure -1.16.
		Division 1	
May 1963	Climatological Data Table	Hightown 1 N	Correct as follows: Total precipitation 2.18; departure -1.54; No. of days with .10 or more 6; .50 or more 1.
		Division 2	
June 1963	Soil Temperature Table	Pemberton 3 E	Delete Soil temperature for the month.

NEW JERSEY

STATUTE MILES

75TH MERIDIAN TIME ZONE



551.05
UNNJ

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

NEW JERSEY

ANNUAL SUMMARY 1963

Volume 68 No. 13



AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

NEW JERSEY
1963

Table 1

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
NORTHERN 01																										
BELVIDERE	25.3	- 4.6	20.5	-10.8	37.5	- 1.8	48.5	- 2.6	56.0	- 6.2	66.0	- 4.6	71.3	- 3.8	66.4	- 6.5	58.2	- 7.8	55.3	0.4	45.1	2.3	24.9	- 7.0	47.9	- 4.4
CANOE BROOK	23.9	- 5.0	21.5	- 8.0	38.0	0.7	49.5	0.5	56.6	- 2.5	67.2	- 0.7	72.4	- 0.4	68.0	- 2.8	59.3	- 4.2	55.6	2.3	46.4	3.9	26.6	- 4.9	48.8	- 1.7
CHARLOTTETOWN	23.4	- 5.6	22.8	- 6.8	38.4	0.8	48.5	- 0.2	57.8	- 1.1	67.5	- 0.5	72.8	- 0.2	69.3	- 1.8	59.8	- 4.8	56.4	2.7	46.6	3.6	25.9	- 5.3	49.1	- 1.6
ELIZABETH	23.5	- 5.1	18.4	-10.7	35.8	- 0.8	47.7	- 0.3	55.1	- 3.3	65.1	- 1.4	70.5	- 0.4	66.9	- 2.3	58.1	- 4.3	55.8	3.5	45.4	3.4	24.6M	- 6.2	47.2	- 2.4
ESSEX FELS SERV BLOC	30.0	- 2.8	27.8	- 5.5	42.1	1.2	52.8	0.9	60.6	- 1.6	70.4	0.4	75.2	- 0.6	72.4	- 1.7	64.0	- 3.2	60.4	3.7	49.6	3.9	29.1	- 5.6	52.9	0.9
FLEMINGTON 1 NE	23.9	- 4.8	22.0	- 7.4	38.9	0.9	49.6	- 1.7	57.8	- 5.2	68.1	- 2.3	73.2	- 1.1	68.9	- 2.9	60.5	- 6.1	55.4	- 0.4	46.1	1.8	25.6	- 7.7	50.0	- 3.0
HIGH POINT PARK	26.7	- 4.8	24.9	- 7.4	41.0	0.9	49.5	- 1.7	56.6	- 5.2	68.3	- 2.3	74.3	- 1.1	70.5	- 2.9	60.5	- 6.1	55.4	- 0.4	46.1	1.8	25.6	- 7.7	50.0	- 3.0
JERSEY CITY	20.7	- 3.5	27.3	- 5.4	41.4	1.6	51.4	0.9	59.6	- 1.6	70.1	0.0	75.2	- 0.1	71.7	- 2.1	62.8	- 4.1	60.5	3.8	49.7	4.0	30.0	- 4.8	52.4	- 0.9
LAMBERTVILLE	29.0	- 3.5	27.3	- 5.4	41.4	1.6	51.4	0.9	59.6	- 1.6	70.1	0.0	75.2	- 0.1	71.7	- 2.1	62.8	- 4.1	60.5	3.8	49.7	4.0	30.0	- 4.8	52.4	- 0.9
LAYTON 2	27.7	- 4.0	26.8	- 5.7	42.1	2.3	51.6	0.5	60.0	- 1.6	70.3	0.2	74.9	0.1	71.6	- 1.4	63.0	- 3.2	58.8	3.3	48.8M	4.4	27.6	- 6.1	51.9	- 1.0
LITTLE FALLS	19.6	- 4.3	24.9	- 7.4	41.0	0.9	47.6	- 1.7	55.7	- 5.2	68.3	- 2.3	74.3	- 1.1	70.5	- 2.9	60.5	- 6.1	55.4	- 0.4	46.1	1.8	25.6	- 7.7	50.0	- 3.0
LONG VALLEY	26.8	- 4.3	24.9	- 7.4	41.0	0.9	47.6	- 1.7	55.7	- 5.2	68.3	- 2.3	74.3	- 1.1	70.5	- 2.9	60.5	- 6.1	55.4	- 0.4	46.1	1.8	25.6	- 7.7	50.0	- 3.0
MORRIS PLAINS 1 W	24.1	- 3.9	25.5	- 6.5	40.8	1.3	50.1	- 0.5	59.3	- 1.8	69.8	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
NEWARK WB AIRPORT	29.6	- 2.7	27.6	- 5.1	42.5	2.0	52.6	1.3	61.1	- 0.9	72.0	0.7	77.0	0.7	74.0	- 0.4	64.0	- 3.3	61.2	4.6	49.7	4.3	29.3	- 5.4	53.4	- 0.3
NEWTON	20.2	- 7.3	18.9	- 9.2	36.8	0.4	48.5	- 0.2	56.8	- 2.2	66.6	- 0.8	72.2	0.0	67.0	- 3.1	58.1	- 4.9	54.4	1.9	44.8	3.6	23.8	- 5.9	47.4	- 2.2
PATERSON	28.0	- 3.6	26.0	- 6.1	41.9	2.4	52.5	1.4	60.6	- 1.3	70.8	0.1	76.2	0.5	72.2	- 1.4	62.9	- 3.5	60.4M	4.3	49.9	4.8	29.5	- 4.6	52.6	- 0.6
PHILLIPSBURG	27.8	- 2.7	25.6	- 5.8	41.6	2.4	53.5	2.8	60.3	- 1.1	70.5	0.5	75.0	0.7	70.4	- 2.0	62.0	- 3.5	59.3	4.8	49.3	5.9	28.1	- 4.6	52.0	- 0.2
PLAINFIELD	28.5	- 3.4	26.1	- 6.4	41.6	1.7	51.4	0.5	59.4	- 1.8	69.6	- 0.3	74.7	- 0.2	71.8	- 1.3	62.6	- 3.6	59.0	3.1	49.1	4.3	28.1	- 5.9	51.8	- 1.1
SOMERVILLE	27.4	- 3.9	25.5	- 6.5	40.8	1.3	50.1	- 0.5	59.3	- 1.8	69.8	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
SUSSEX	20.2	- 7.5	17.4	-11.5	35.2	- 1.8	48.0	- 1.1	55.7	- 4.2	65.5	- 3.0	70.7	- 2.2	66.3	- 4.5	58.1	- 5.4	57.0	3.8	45.5M	3.5	22.9	- 7.3	46.9	- 3.4
DIVISION	25.3	- 4.9	23.0	- 7.9	39.2	0.6	50.0	0.0	57.9	- 2.6	68.2	- 1.0	73.3	- 0.7	69.4	- 2.7	60.5	- 4.5	57.5	3.0	47.1	3.6	26.4	- 6.0	49.8	- 1.9
SOUTHERN 02																										
ATLANTIC CITY WB AP	31.3	- 3.5	29.5	- 5.2	45.5	4.4	52.5	1.5	60.3	- 1.0	70.5	0.5	76.1	1.0	72.4	- 1.3	63.9	- 3.3	59.9	2.7	50.2	3.5	30.5	- 6.1	53.5	- 0.6
AUDUBON	29.8	- 3.6	28.2	- 5.4	44.8	3.6	51.9	0.5	59.6	- 1.3	69.9	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
BELLEPLAIN STA FOREST	30.3	- 3.5	29.5	- 5.2	45.5	4.4	52.5	1.5	60.3	- 1.0	70.5	0.5	76.1	1.0	72.4	- 1.3	63.9	- 3.3	59.9	2.7	50.2	3.5	30.5	- 6.1	53.5	- 0.6
BURLINGTON	30.2M	- 4.0	29.5	- 5.4	44.5	2.3	53.2M	- 0.1	61.1	- 3.1	71.4	- 1.4	76.8M	- 0.4	72.9M	- 2.6	64.5M	- 4.3	60.5	4.9	49.0	3.0	30.1	- 6.1	53.5	- 0.6
CHATSORTH	29.0M	- 2.8	28.7	- 5.1	43.9	3.1	51.2	0.5	59.4	- 1.8	69.8	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
FREEMO	29.5	- 3.2	27.4	- 5.6	42.8	2.8	50.5	- 0.3	59.8	- 1.8	70.1	- 0.1	74.9	0.0	71.9	- 1.2	62.8	- 3.7	59.2	3.1	49.2	3.7	28.4	- 6.3	52.2	- 1.1
GLASSBORO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMMONTON 2 NNE	28.9	- 5.3	27.0	- 7.5	45.1	3.2	52.6	0.3	61.0	- 1.7	71.7	0.1	76.5	0.4	72.7	- 1.5	62.8	- 4.9	58.9	1.7	49.2	2.5	29.4	- 7.7	53.0	- 1.7
MIGHTSTOWN 1 N	28.5	- 3.9	27.2	- 5.7	42.8	2.6	51.2	0.3	59.6	- 1.8	69.9	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
INDIAN MILLS 2 W	28.7	- 4.6	27.7	- 6.1	43.8	3.1	50.3	- 1.1	58.8	- 3.2	69.0	- 1.2	73.6	- 1.1	69.9	- 3.0	61.5	- 4.8	57.3	1.4	48.4	3.2	27.2	- 7.6	51.3	- 2.1
MILLVILLE	29.3M	- 2.8	28.7	- 5.1	43.9	3.1	51.2	0.3	59.6	- 1.8	69.9	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
MILLVILLE FAA AIRPORT	29.4	- 2.8	28.4	- 5.1	43.9	3.1	51.2	0.3	59.6	- 1.8	69.9	0.0	74.9	0.7	71.8	- 1.0	62.9	- 3.1	58.0	2.7	48.2	4.3	27.4	- 5.7	51.4	- 1.1
MOORESTOWN	28.5	- 4.5	27.4	- 5.6	42.8	2.8	50.5	- 0.3	59.8	- 1.8	70.1	- 0.1	74.9	0.0	71.9	- 1.2	62.8	- 3.7	59.2	3.1	49.2	3.7	28.4	- 6.3	52.2	- 1.1
NEW BRUNSWICK EXP STA	29.2	- 3.1	27.4	- 5.4	42.6	2.4	51.9	0.8	60.3	- 1.3	70.7</															

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

NEW JERSEY
1963

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
NORTHERN OJ																										
BELVOIERE	2.86	.77	2.28	.84	3.72	.36	.74	3.40	3.10	.93	3.24	1.20	3.81	1.49	2.47	2.52	3.24	.63	.13	3.29	6.38	2.52	2.25	1.41	34.22	14.32
BERNARDSVILLE 2 E	3.11		2.80		4.00		.75		3.11		2.40		4.50		2.60		4.93		.52		7.63		2.32		38.67	
BLACKWELLS MILLS	2.46		2.44		3.42		.57		2.25		.75		3.95		2.09		5.39		.49		7.10		1.74		32.65	
BOHNTON 1 SE	2.40		2.09		3.70		1.08	2.78	3.84		2.49	1.20	3.68		2.35	2.58	4.26		.26	3.14	7.58		1.79	1.63	35.72	10.38
BOUMO BROOK 2 W	2.32	.84	2.03	.64	4.46		.42		2.12		1.04		4.18	.56	1.36		7.37		.33		6.62		1.61		33.86	
BRANCHVILLE	2.31		1.98		3.67		1.30		3.15		2.73		2.64		1.75		3.18		.24		5.76		2.19		31.89	
CANISTEER RESERVOIR	2.63		2.14		3.32		1.13		2.73		4.50		3.61		2.10		2.97		.12		6.91		2.33		34.49	
CANOE BROOK	2.65	1.01	1.97	.99	3.79	.51	.72	3.30	3.21	.94	2.38	1.65	4.93	.38	2.06	3.17	4.43	.11	.61	2.80	7.95	3.85	1.83	1.82	36.53	11.85
CEAR GROVE	2.44		2.27		3.52		.72		4.21		3.34		E4.19		2.04		4.98		.27		E7.18		E1.98		E37.16	
CHARLOTTEBURG	2.71	.96	3.48	.31	3.27	1.20	.74	3.47	3.98	.17	3.14	1.10	3.09	1.64	1.92	3.04	3.60	.81	.42	3.42	7.97	3.48	2.30	1.82	36.62	13.84
CHATHAM	2.46	1.26	2.18	.99																						
CLINTON	E2.60		E2.79		E3.91		E .71		2.79		1.25		1.71		1.99		8.57		.18		7.70		2.39		E36.96	
ELIZABETH	2.03	1.94	2.31	.97	3.11	1.38	.15	3.80	2.85	1.21	.96	2.80	2.47	2.04	1.91	3.06	5.04	.70	.41	3.12	6.25	2.37	E3.06	.54	E30.59	17.79
ELIZABETHPORT	2.37		2.59		4.23		.88		2.27		1.83		2.10		1.70		4.89		.28		6.79		1.89		32.02	
ESSEX FELS SERV BLDG	1.97		2.12		3.40		.80		2.97		1.54		5.51		1.95		3.79		.42		6.59		1.93		32.99	
FLEMINGTOWN 1 ME	2.95	.37	3.26	.48	4.34	.35	.75	3.05	2.07	1.94	1.56	2.24	2.08	2.44	2.51	2.51	6.20	2.61	.20	3.12	7.94	4.20	2.37	1.05	36.23	9.08
GREENWOOD LAKE	2.86		2.62		3.51		1.49		3.29		4.19		3.59		2.56		3.81		.42		7.67		2.56		38.57	
HIGH POINT PARK	2.11		2.10		2.92		1.53		E2.94		3.75		5.33		1.80		3.31		.06		6.06		1.75		E33.66	
IRVINGTON	2.65		2.65		3.91		.85		1.82		.79		3.10		1.56		3.51		.85	1.38	3.00	4.64	2.05	1.24	33.95	9.63
JERSEY CITY	2.55	.82	2.44	.46	3.10	.93	.84	2.75	2.22	1.53	3.04	.41	2.03	2.14	2.78	1.84	4.66	.85	.18	3.00	8.06	4.64	2.05	1.24	33.95	9.63
LAMBERTVILLE	2.29	1.05	E2.07	.65	3.76	.30	.45	3.19	2.39	1.69	E1.58	2.26	2.91	1.60	1.59	3.55	3.71	.42	.11	2.89	7.32	3.61	1.78	1.60	E29.96	14.75
LAYTON 2	3.08		1.82		3.65		1.09		2.79		4.09		3.29		2.05		2.65		.24		5.31		2.67		32.53	
LITTLE FALLS	2.48	.97	2.35	.72	3.55	.75	1.17	3.09	2.07	1.26	2.93	1.32	4.82	.28	2.16	2.93	4.21	.34	.27	3.63	7.23	2.95	2.08	1.82	36.52	13.40
LONG VALLEY	2.61	.93	1.04	1.98	2.79	1.49	.78	3.19	3.83	.34	2.00	2.13	2.05	3.15	3.86	1.20	3.67	.25	.40	3.17	7.61	3.36	2.24	1.55	32.88	16.02
MAHAM	2.72		2.36		3.50		1.37		3.69		2.39		4.73		2.75		3.42		.62		7.53		2.16		37.24	
MANVILLE	E1.39		E1.89		4.06		.44		2.30		3.34		3.42		1.42		6.29		.28		5.62		.99		E29.44	
MIDLAND PARK	2.35		1.48		3.08		1.90		3.12		2.27		5.18		2.68		4.09		.20		7.80		2.22		36.37	
MILTON	2.83		2.92		3.36		1.10		3.81		3.92		4.23		2.21		3.13		.21		6.97		2.73		37.42	
MORRIS PLAINS 1 W	2.18		2.17		3.77		1.18		3.40		2.72		2.95		3.31		4.07		.51		7.74		2.18		36.68	
NEWARK AIRPORT	R 2.59	1.14	2.16	.64	3.92	.17	.90	2.61	2.37	1.28	2.01	1.43	2.24	1.43	1.93	2.50	3.94	.18	.21	2.90	5.68	2.31	1.97	1.25	29.52	12.86
NEW MILFORD	2.43	1.01	2.03	.78	3.25	.74	1.22	2.62	2.61	1.24	2.11	1.65	3.39	.99	2.91	1.54	4.02	.27	.20	2.99	6.83	3.17	1.99	1.47	32.99	11.59
NEWTON	2.60	.44	2.18	.39	3.30	.15	.83	3.00	2.38	1.57	2.84	1.46	2.59	2.28	1.61	2.93	3.55	.44	.15	3.27	5.42	1.79	E2.14	1.06	E29.59	15.20
OAK RIDGE RESERVOIR	2.61		2.58		3.16		.90		3.97		4.24		4.63		2.31		3.53		.24		7.75		2.27		38.01	
OLDWICK	2.37		2.28		3.62		.67		2.82		1.62		2.80		2.52		7.76		.53		6.44		2.98		35.81	
ORANGE	3.04		2.36		3.57		1.19		2.35		1.86		6.79		2.77		4.84		.47		8.61		1.31		39.16	
PATERSON	2.72	.88	2.39	.76	1.83	.62	1.30	2.77	3.62	.68	E2.98	1.23	3.39	1.24	2.2	2.59	4.57	.36	.27	3.20	7.36	3.32	2.21	1.62	E34.92	13.91
PHILLIPSBURG	2.48	1.20	2.72	.34	3.77	.32	.72	3.35	2.53	1.62	1.77	2.49	2.84	2.45	3.11	1.93	6.23	2.23	.27	3.15	5.54	1.87	2.19	1.45	34.17	14.20
PHILLIPSBURG BRIDGE	2.22		1.59		3.71		.23		3.08		1.78		1.89		3.11		5.61		.31		6.40		E2.19		E32.20	
PLAINFIELD	2.66	.95	2.53	.49	4.03	.28	.87	3.00	2.23	1.91	1.35	2.98	2.80	1.81	1.44	3.75	6.70	2.37	.35	3.11	8.16	4.33	2.26	1.33	35.38	12.91
RAMMAY	1.78		1.91		3.60		.62		1.69		.54		2.07		1.5		6.05		.39		6.65		1.59		28.48	
RINGWOOD	2.62		2.36		3.17		1.56		2.82		2.88		3.88													

Table 3

[illegible]

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NORTHERN 01														
CANOE BROOK	EVAP	-	-	-	-	8 5.17	5.22	6.50	8 5.14	8 4.06	3.08	-	-	-
	DEP	-	-	-	-	.58	.68	1.44	.87	1.05	1.11	-	-	-
	WINO	-	-	-	-	8 1302	829	765	661	1003	807	-	-	-
	MAX	-	-	-	-	75.8	86.3	92.2	82.9	75.0	58.8	-	-	-
	MTN	-	-	-	-	49.8	60.9	65.9	62.0	51.9	45.3	-	-	-
SOUTHERN 02														
PEMBERTON 3 E	EVAP	-	-	-	-	-	6.15	6.64	5.24	8 2.98	2.63	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WINO	-	-	-	-	-	803	612	489	509	533	-	-	-

MAX AND MIN IN TABLE 4 REFER TO MEAN MAXIMUM AND MINIMUM TEMPERATURES OF WATER IN PAN.

SOIL TEMPERATURES

NEW JERSEY
1963

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes
RUTGERS MICRO MET																										
PLOT # 1																										
1 INCH	32.3	34/29	31.1	33/27	36.2	52/29	48.8	59/40	60.3	74/46	72.5	89/61	78.7	91/63	77.2	90/64	67.6	83/56	59.3	71/46	49.0	57/40	34.7	45/30	54.0	91/27
2 INCHES	32.3	34/29	31.1	33/27	35.9	51/29	48.4	57/40	59.6	72/46	71.5	85/61	77.7	88/64	76.2	87/65	67.1	80/57	59.0	69/47	48.9	56/40	35.2	45/30	53.6	88/27
4 INCHES	32.8	34/32	32.0	34/30	35.5	49/30	47.8	55/41	59.0	70/46	69.8	80/62	76.4	84/67	75.3	85/67	66.4	75/59	58.6	67/49	49.2	55/42	36.4	43/31	53.3	85/30
8 INCHES	33.4	35/33	33.0	34/31	35.5	46/31	47.2	52/43	57.8	66/48	65.0	75/63	75.1	80/69	74.3	78/70	66.6	74/60	59.0	66/51	50.3	55/44	37.8	46/33	53.0	80/31
16 INCHES	35.8	37/35	34.4	36/33	35.5	43/32	46.1	49/42	55.6	61/48	65.4	71/61	72.4	76/69	72.9	76/67	66.6	74/56	59.7	65/55	51.7	55/47	40.7	49/36	53.1	76/32
32 INCHES	38.3	40/37	36.3	38/35	36.1	41/34	44.9	48/42	52.9	57/47	61.9	66/57	68.7	72/66	70.8	72/65	66.1	71/55	60.1	66/57	53.3	57/50	44.1	50/39	52.8	72/34
PLOT # 2																										
1 INCH	30.6	37/14	30.3	34/18	41.0	66/27	55.3	82/35	65.8	91/39	79.3	111/56	85.0	111/58	80.8	103/59	67.9	98/45	60.1	78/38	46.7	62/32	30.9	46/21	56.1	111/14
2 INCHES	30.8	36/16	30.3	34/19	40.6	65/27	54.7	79/35	65.2	88/40	78.7	108/57	84.1	108/59	80.1	101/60	67.4	94/46	59.9	77/39	46.7	62/32	31.1	45/21	55.8	108/16
4 INCHES	31.2	35/20	30.8	34/22	39.6	60/29	53.8	74/37	63.9	83/42	77.3	103/59	82.8	108/61	79.1	96/63	66.8	87/50	59.4	73/42	46.8	59/34	32.1	43/24	55.3	103/20
8 INCHES	31.1	33/27	31.6	34/27	37.4	52/30	51.9	64/41	62.2	73/46	74.3	90/62	80.1	92/67	77.4	87/68	66.3	79/56	59.1	67/47	47.7	56/38	34.3	43/30	54.5	92/27

MONTHLY AVERAGES ARE OBTAINED BY TAKING THE AVERAGE OF MAX AND MIN VALUES.
 PLOT # 1 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, KENTUCKY BLUEGRASS. INSTRUMENTATION, COPPER-CONSTANTAN THERMOCOUPLES CONNECTED TO A BROWN ELECTRONIK POTENTIOMETER.
 PLOT # 2 - SLOPE OF GROUND, FLAT. SOIL TYPE, LOAM. GROUND COVER, BARREN. INSTRUMENTATION, BROWN RECORDING POTENTIOMETER WITH COPPER-CONSTANTAN THERMOCOUPLES.

STATION INDEX

NEW JERSEY
1963

Station	Index No.	Division No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record	Temp.	Precip.	Evap.	Month opened	Month closed	Refer to tables	Station	Index No.	Division No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record	Temp.	Precip.	Evap.	Month opened	Month closed	Refer to tables
ALLENDALE	0100	01	BERGEN	8	41 02	74 08	270							1 2 3 C	MIDLAND PARK	5503	01	BERGEN	8	40 59	74 09	210						2	
ATLANTIC CITY WB AP	0311	02	ATLANTIC	1	39 27	74 35	58	6						1 2 3	MILLVILLE	5576	02	CUMBERLAND	6	39 24	75 03	60	7	23				1 2 3	
ATLANTIC CITY	0325	03	ATLANTIC	1	39 23	74 26	11	90	90					1 2 3	MILLVILLE FAA AIRPORT	5581	02	CUMBERLAND	6	39 22	75 04	70	14	14				1 2 3	
AUDUBON	0346	02	CAMDEN	2	39 54	75 04	50	11	14					1 2 3	MILTON	5597	01	MORRIS	8	41 01	74 32	950	23					2	
BASIN HILLER ST FOREST	0546	02	BURLINGTON	3	39 37	74 26	20							1 2 3	MOORESTOWN	5728	02	BURLINGTON	2	39 58	74 58	55	100	100				1 2 3	
BELLEPLAIN ST FOREST	0690	02	CAPE MAY	1	39 15	74 52	30	69	69					1 2 3	MORRIS PLAINS 1 W	5769	01	MORRIS	8	40 50	74 30	400	18	22				1 2 3	
BELMAR 2 SW	0721	03	MONMOUTH	1	40 09	74 04	40							2	NEWARK WB AIRPORT	6026	01	ESSEX	10	40 42	74 10	11	64	109				1 2 3 C	
BELVIDERE	0729	01	WARREN	8	40 50	75 05	275	71	71					1 2 3	NEW BRUNSWICK EXP STA	6062	02	MIDDLESEX	10	40 28	74 26	84	106	109				1 2 3	
BERNARDSVILLE 2 E	0797	01	SOMERSET	8	40 43	74 32	240							2	NEW MILFORD	6146	01	BERGEN	4	40 57	74 02	12	45				2 C		
BLACKWELLS MILLS	0847	01	SOMERSET	10	40 29	74 35	27							2	NEW MONMOUTH	6154	02	MONMOUTH	1	40 25	74 06	30	3	3				1 2 3	
BOONTON 1 SE	0907	01	MORRIS	8	40 54	74 24	280	55	73					1 2 3	NEWTON	6177	01	SUSSEX	2	41 03	74 45	565	80	80				1 2 3 C	
BOUND BROOK 2 W	0927	01	SOMERSET	10	40 33	74 34	50							2	OK RIDGE RESERVOIR	6460	01	PASSAIC	8	41 02	74 30	870	23				2		
BRANCHVILLE	0978	01	SUSSEX	5	41 09	74 45	580	62						2	OLWICK	6544	01	HUNTERDON	10	40 40	74 45	260	77				2		
BURLINGTON	1211	02	BURLINGTON	2	40 05	74 52	12	51	77					1 2 3	ORANGE	6560	01	ESSEX	8	40 47	74 13	160	23				2 C		
CANISTEAR RESERVOIR	1327	01	SUSSEX	8	41 07	74 30	1040	23						2	PATERSON	6775	01	PASSAIC	8	40 54	74 09	100	93	92				1 2 3	
CANOE BROOK	1335	01	ESSEX	8	40 45	74 21	180	33	33					1 2 34	PERMERTON 3 E	6843	02	BURLINGTON	2	39 58	74 38	80	33	33				1 2 34	
CANTON	1343	02	SALEM	2	39 28	75 25	20	17						2	PHILLIPSBURG	6974	01	WARREN	2	40 41	75 11	180	72	80				1 2 3	
CAPE MAY 3 W	1351	03	CAPE MAY	1	38 57	74 58	10	38	75					1 2 3 C	PHILLIPSBURG BRIDGE	6979	01	WARREN	2	40 42	75 12	200	24				2		
CEDAR GROVE	1472	01	ESSEX	8	40 52	74 13	400	23						2	PLAINFIELD	7079	01	UNION	10	40 36	74 25	120	72	75				1 2 3	
CENTERTON	1512	02	SALEM	6	39 31	75 10	80							C	PRINCETON WATER WORKS	7328	02	MERCER	10	40 20	74 40	60	15				2		
CHARLOTTEBURG	1582	01	PASSAIC	8	41 02	74 26	760	71	71					1 2 3	RAMWAY	7393	01	UNION	9	40 36	74 16	20	24				2 C		
CHATAM	1590	01	MORRIS	8	40 44	74 23	185	59						1 2 3	RINGWOOD	7587	01	PASSAIC	8										

I 1-COASTAL; 2-DELAWARE; 3-GREAT EGG HARBOR; 4-HACKENSACK; 5-HUDSON; 6-AURICE; 7-MULICA; 8-PASSAIC; 9-RAHWAY; 10-RARITAN; 11-ROCKAWAY

REFERENCE NOTES

Additional information regarding the climate of New Jersey may be obtained by writing to the State Climatologist at the Weather Bureau Office, c/o General Delivery, Trenton, New Jersey 08608, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in "F.", precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 4.

Normals for all stations are climatological normals based on the period 1931-1960. "DEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

Years of Record as shown in the Station Index are approximate since gaps in the records may not have been considered in arriving at the totals shown.

Climatological divisions outlined on the maps in this bulletin became effective with data for September 1956.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record.

+ Also earlier date (dates) or months.

* Amount included in following measurement.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

^ Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".

E Amount is wholly or partially estimated.

G In the Refer to Tables column of the Station Index the letter "G" indicates that soil temperatures are published.

M One or more days' record missing; if average value is entered, less than 10 days' record is missing. See monthly Climatological Data for detailed daily record.

R Amounts from recording gage. These amounts are essentially accurate but may vary slightly from the amounts to be published later in "Hourly Precipitation Data".

T Trace, an amount too small to measure.

V Includes total for previous months. V in annual column means total is for a two-year period.

Information concerning the history of changes in locations, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 15 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

RELOCATION AND CHANGES OF EQUIPMENT

OATE - 1963

CANOE BROOK
CLINTON
GLASSBORO
IRVINGTON
LONG VALLEY
ORANGE
PHILLIPSBURG BRIDGE
TUCKERTON
WATCHUNG

Equipment moved 700 feet N
Equipment moved 0.7 mile SE
Temperature equipment installed; moved 3 miles N from Clayton
Equipment moved 30 feet SE
Equipment moved 400 feet SW
Equipment moved 125 feet NW
Equipment moved 800 feet NE
Equipment moved 900 feet SE
Equipment moved 500 feet S

NEW JERSEY

STATUTE MILES

75°E MERIDIAN TIME ZONE

NORTHERN

SOUTHERN

COASTAL

STATION LEGEND

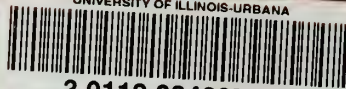
- ● ● Precipitation only
- ⊙ Precipitation, storage
- ⊙ ● Precipitation and Temperature
- ◆ ◆ Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording,
● Recording, ● Both types

Double circle combinations indicate the availability of more detailed meteorological data



UNIVERSITY OF ILLINOIS-URBANA



3 0112 084237186